

65

<210> 6410

<211> 396

<212> PRT

<213> Homo sapiens

<400> 6410

Met Ala Ala Ser Met Cys Asp Val Phe Ser Phe Cys Val Gly Val Ala  
1 5 10 15  
Gly Arg Ala Arg Val Ser Val Glu Val Arg Phe Val Ser Ser Ala Lys  
20 25 30  
Gly Lys Gly Ala Val Cys His Thr Ala His Pro Glu Gly Gly Asp His  
35 40 45  
Leu Arg Arg Thr Ala Pro Gly Gly Cys Xaa Phe Leu Trp Asn Ala Leu  
50 55 60  
Tyr Arg Tyr Arg Ala Cys Asp His Cys Leu Arg Ala Leu Glu Lys Ala  
65 70 75 80  
Glu Glu Asn Ala Gln Arg Leu Thr Gly Lys Pro Gly Gln Val Leu Pro  
85 90 95  
His Pro Glu Leu Cys Thr Val Arg Lys Asp Leu His Gln Asn Cys Pro  
100 105 110  
His Cys Gln Val Met Tyr Cys Ser Ala Glu Cys Arg Leu Ala Ala Thr  
115 120 125  
Glu Gln Tyr Xaa  
130

<210> 6411

<211> 156

<212> PRT

<213> Homo sapiens

<400> 6411

Met Ala Ala Cys Arg Tyr Cys Cys Ser Cys Leu Arg Leu Arg Pro Leu  
1 5 10 15  
Ser Asp Gly Pro Phe Leu Leu Pro Arg Arg Asp Arg Ala Leu Thr Gln  
20 25 30  
Leu Gln Val Arg Ala Leu Trp Ser Ser Ala Gly Ser Arg Ala Val Ala  
35 40 45  
Val Asp Leu Gly  
50

<210> 6412

<211> 216

<212> PRT

<213> Homo sapiens

<400> 6412

Met Thr Asn Leu Gln Ile Lys Glu Glu Lys Val Lys Ala Asp Xaa Asn  
1 5 10 15  
Gly Ile Ile Lys Thr Ser Thr Thr Ala Glu Lys Thr Asp Glu Glu Glu  
20 25 30  
Lys Glu Asp Arg Ala Ala Gln Ser Leu Leu Asn Lys Leu Ile Arg Ser  
35 40 45

Asn Leu Val Xaa Xaa Thr Asn Gln Gly Gly Ser Pro Ala Thr Gly Ser  
 50 55 60  
 Lys Leu Pro Ser Val Leu Gly Glu  
 65 70

<210> 6413  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 6413  
 Met Thr Ser Asp Lys Leu His Lys Met Leu Ser Phe Gly Phe Ser Asp  
 1 5 10 15  
 Lys Val Thr Met Asn Gly His Val Pro Val Gly Leu Tyr Gly Asn Gly  
 20 25 30  
 Phe Lys Ser Gly Ser Met Arg Leu Gly Lys Asp Ala Ile Val Phe Thr  
 35 40 45  
 Lys Asn Gly Glu Ser Met Ser Val Gly Leu Leu Ser Gln Thr Tyr Leu  
 50 55 60  
 Glu  
 65

<210> 6414  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 6414  
 Met Glu Trp Asn Gln Leu Glu Trp Lys Gly Met Glu Trp Asn Gly Lys  
 1 5 10 15  
 Glu Trp Asn Glu Val Asn Ser Ser Gly Met Glu Trp Asn Gly Met Asp  
 20 25 30  
 Trp Asn Gly Leu Gln Trp Asn Glu Xaa Glu Trp Asn Gly Met Glu Ser  
 35 40 45  
 Ile Ile Pro Ser Gly Met Glu Gly Asn Leu Met Glu Gly Lys Glu Gly  
 50 55 60  
 Asn  
 65

<210> 6415  
 <211> 291  
 <212> PRT  
 <213> Homo sapiens

<400> 6415  
 Met Lys Asp Ile Asp Ile Gly Lys Glu Tyr Ile Ile Pro Ser Pro Gly  
 1 5 10 15  
 Tyr Arg Ser Val Arg Glu Arg Thr Ser Thr Ser Gly Thr His Arg Asp  
 20 25 30  
 Arg Glu Asp Ser Lys Phe Arg Arg Thr Arg Pro Leu Glu Cys Gln Asp  
 35 40 45  
 Ala Leu Glu Thr Ala Ala Arg Ala Glu Gly Leu Ser Leu Asp Ala Ser  
 50 55 60  
 Met His Ser Gln Leu Arg Ile Leu Asp Glu Glu His Pro Lys Gly Lys

65                      70                      75                      80  
 Tyr His His Gly Leu Ser Ala Leu Lys Pro Ile Arg Thr Thr Ser Lys  
                          85                      90                      95

His

<210> 6416

<211> 165

<212> PRT

<213> Homo sapiens

<400> 6416

Met Val Cys Pro Gly Leu Arg Gly Phe Arg Met Trp Asp Ser Cys Phe  
 1                      5                      10                      15  
 Thr Leu Gly Pro Ser Gln Ala Asn Arg Ala Glu Leu Val Pro Leu Ser  
                          20                      25                      30  
 Cys Lys Ser Lys Gln Leu Arg Glu Val Ser Xaa Xaa Ala Ser Thr Ile  
                          35                      40                      45  
 Thr Gln Phe Val Phe Asn Asn  
                          50                      55

<210> 6417

<211> 216

<212> PRT

<213> Homo sapiens

<400> 6417

Met Ala Glu Thr Asn Asn Glu Cys Ser Ile Lys Val Leu Cys Arg Phe  
 1                      5                      10                      15  
 Arg Pro Leu Asn Gln Ala Glu Ile Leu Arg Gly Asp Lys Phe Ile Pro  
                          20                      25                      30  
 Ile Phe Gln Gly Asp Asp Ser Val Val Ile Gly Gly Lys Pro Tyr Val  
                          35                      40                      45  
 Phe Asp Arg Val Xaa Pro Pro Asn Thr Thr Gln Xaa Gln Val Tyr His  
                          50                      55                      60  
 Ala Cys Ala Met Gln Ile Val Lys  
 65                      70

<210> 6418

<211> 207

<212> PRT

<213> Homo sapiens

<400> 6418

Met Thr Leu Gln Trp Ser Leu Arg Val Cys Trp Arg Gly Ser Trp Leu  
 1                      5                      10                      15  
 Ile Pro Ser Ser Thr Ser Cys Arg Phe Ser His Pro Gly Pro Pro Ser  
                          20                      25                      30  
 Ala Ser Ser Gln Gly Ser Leu Arg Ala Gly Ala Ser Leu Pro Cys Pro  
                          35                      40                      45  
 Val Lys Val Ile Leu Pro Ser Pro Ile His Leu Thr Arg Gly His Asn  
                          50                      55                      60  
 Pro Glu Asn Ser Pro  
 65

<210> 6419  
 <211> 306  
 <212> PRT  
 <213> Homo sapiens

<400> 6419  
 Met Ala Glu Pro Thr Ser Asp Phe Glu Thr Pro Ile Gly Trp His Ala  
 1 5 10 15  
 Ser Pro Glu Leu Thr Pro Thr Leu Gly Pro Leu Ser Asp Thr Ala Pro  
 20 25 30  
 Pro Arg Asp Arg Trp Met Phe Trp Ala Met Leu Pro Pro Pro Pro Pro  
 35 40 45  
 Pro Leu Thr Ser Ser Leu Pro Ala Ala Gly Ser Lys Pro Ser Ser Glu  
 50 55 60  
 Ser Gln Pro Pro Met Glu Ala Gln Ser Leu Pro Gly Ala Pro Pro Pro  
 65 70 75 80  
 Ser Thr Pro Arg Phe Phe Pro Gly Arg Asn Pro Pro Ser Thr Pro Ser  
 85 90 95  
 Leu Pro Leu Ile Leu Ser  
 100

<210> 6420  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 6420  
 Met Gln Ser Leu Xaa Ser Arg Arg Lys Ile Xaa Glu Tyr Cys Leu Gln  
 1 5 10 15  
 Asp Ile Asp Asp Lys Leu Ser Glu Ser Ala Glu Asp Asp Gly Glu Asp  
 20 25 30  
 Asp Thr Asn Asp Glu Asp Asp Asp Glu Asp Ser Asn Pro Lys Lys Ile  
 35 40 45  
 Leu Arg Pro  
 50

<210> 6421  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 6421  
 Met Leu Ala Leu Glu Ala Ala Gln Leu Asp Gly Pro His Phe Ser Cys  
 1 5 10 15  
 Leu Tyr Pro Asp Gly Val Phe Tyr Asp Leu Asp Ser Cys Lys His Ser  
 20 25 30  
 Ser Tyr Pro Asp Ser Glu Gly Ala Pro Asp Ser Leu Trp Asp Trp Thr  
 35 40 45  
 Val Ala Pro Pro Val Pro Ala Thr Pro Tyr Glu Ala Phe Asp Pro Ala  
 50 55 60  
 Ala Ala Ala Phe Ser His Pro Gln Ala Ala Gln Leu Cys Tyr Glu  
 65 70 75

<210> 6422



06-1-1988 - 07-01-1988

[illegible]

<400> 6423

Met	Thr	Ala	Ala	Val	Thr	Thr	Trp	Pro	Leu	Cys	Gly	Leu	Ser	Pro	Ala
1				5					10					15	
Gly	Arg	Arg	Cys	Cys	Val	Gly	Arg	Thr	Ala	Ala	Pro	Gly	Arg	Ile	Thr
			20					25					30		
Trp	Lys	Glu	Asn	Leu	Leu	Tyr	Ala	Pro	Ser	Leu	Arg	Phe	Ile	His	Gly
		35					40					45			
Leu	Ile	Lys	Gln	Phe	Xaa	Glu	Asn	Ile	Tyr	Glu	Ala	Phe	Leu	Val	Gly
	50					55				60					
Lys	Pro	Ser	Asp	Cys	Thr	Leu	Ala	Ser	Ala	Xaa	Cys	Asn	Glu	Tyr	Ser
65					70					75					
Glu	Glu	Glu	Glu	Leu	Val	Lys	Gly	Val	Leu	Met	Ala	Gly	Leu	Xaa	
				85					90					95	

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<210> 6424
<211> 153
<212> PRT
<213> Homo sapiens
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<400> 6424

[illegible]

3505

<212> PRT  
<213> Homo sapiens

<400> 6425

Met	Pro	Gly	Glu	Gln	Met	Asp	Pro	Thr	Xaa	Ser	Gln	Leu	Asp	Ser	Asp
1				5					10					15	
Phe	Ser	Gln	Gln	Asp	Thr	Pro	Cys	Leu	Ile	Ile	Glu	Asp	Ser	Gln	Pro
		20						25						30	
Glu	Ser	Gln	Val	Leu	Glu	Asp	Asp	Ser	Gly	Ser	His	Phe	Ser	Met	Leu
		35					40					45			
Ser	Arg	His	Leu	Pro	Asn	Leu	Gln	Thr	His	Lys	Glu	Asn	Pro	Val	Leu
	50					55					60				
Asp	Val	Val	Ser	Asn	Pro	Glu	Gln	Thr	Ala	Gly	Glu	Glu	Arg	Gly	
65					70					75					

<210> 6426  
<211> 261  
<212> PRT  
<213> Homo sapiens

<400> 6426

Met	Ala	Gly	Met	Lys	Thr	Ala	Ser	Gly	Asp	Tyr	Ile	Asp	Ser	Ser	Trp
1				5					10					15	
Glu	Leu	Arg	Val	Phe	Val	Gly	Glu	Glu	Asp	Pro	Glu	Ala	Glu	Ser	Val
		20						25					30		
Thr	Leu	Arg	Val	Thr	Gly	Glu	Ser	His	Ile	Gly	Gly	Val	Leu	Leu	Lys
		35					40					45			
Ile	Val	Glu	Gln	Ile	Asn	Arg	Lys	Gln	Asp	Trp	Ser	Asp	His	Ala	Ile
	50					55					60				
Trp	Trp	Glu	Gln	Lys	Arg	Gln	Trp	Leu	Leu	Xaa	Xaa	His	Trp	Thr	Leu
65					70					75					80
Asp	Lys	Tyr	Gly	Ile	Leu	Ala									
					85										

<210> 6427  
<211> 153  
<212> PRT  
<213> Homo sapiens

<400> 6427

Met	Asp	Asn	Tyr	Ala	Asp	Leu	Ser	Asp	Thr	Glu	Leu	Thr	Thr	Leu	Leu
1				5					10					15	
Arg	Arg	Tyr	Asn	Ile	Pro	His	Gly	Pro	Val	Val	Gly	Ser	Thr	Arg	Arg
		20					25					30			
Leu	Tyr	Glu	Lys	Lys	Ile	Phe	Glu	Tyr	Glu	Thr	Gln	Arg	Arg	Arg	Leu
		35					40					45			
Ser	Pro	Pro													
	50														

<210> 6428  
<211> 222  
<212> PRT  
<213> Homo sapiens

<400> 6428

Met Ala Xaa Pro Gly Val Ser Val Arg Ser Leu Val Ser Ser Tyr Glu  
1 5 10 15  
Thr Arg Val Val Gly Met Ala Pro Gly Leu Pro Arg Xaa Arg Gly Cys  
20 25 30  
Ala Ser Ser Pro Cys Ser Pro Arg Gly Ala Ser Pro Ile Arg Gly Thr  
35 40 45  
Ser Gly Pro Pro Pro His Arg Ala Trp Xaa Gly Pro Gly Arg Pro Ser  
50 55 60  
Thr Arg Arg Gly Met Asp Lys Thr Leu Arg  
65 70

<210> 6429

<211> 315

<212> PRT

<213> Homo sapiens

<400> 6429

Met Ser Leu Leu Arg Ser Leu Arg Val Phe Leu Val Ala Arg Thr Gly  
1 5 10 15  
Ser Tyr Pro Ala Gly Ser Leu Leu Arg Gln Ser Pro Gln Pro Arg His  
20 25 30  
Thr Phe Tyr Ala Gly Pro Arg Leu Ser Ala Ser Ala Ser Ser Lys Glu  
35 40 45  
Leu Leu Met Lys Leu Arg Arg Lys Thr Gly Tyr Ser Phe Val Asn Cys  
50 55 60  
Lys Lys Ala Leu Glu Thr Cys Gly Gly Asp Leu Lys Gln Ala Glu Ile  
65 70 75 80  
Trp Leu His Lys Glu Ala Gln Lys Glu Gly Trp Ser Lys Ala Ala Lys  
85 90 95  
Leu Gln Gly Arg Lys Thr Lys Glu Gly  
100 105

<210> 6430

<211> 360

<212> PRT

<213> Homo sapiens

<400> 6430

Met Ala Ala Glu Arg Lys Thr Lys Leu Ser Lys Asn Leu Leu Arg Met  
1 5 10 15  
Lys Phe Met Gln Arg Gly Leu Asp Ser Glu Thr Lys Lys Gln Leu Glu  
20 25 30  
Glu Glu Glu Lys Lys Ile Ile Ser Glu Glu His Trp Tyr Leu Asp Leu  
35 40 45  
Pro Glu Leu Lys Glu Lys Glu Ser Phe Ile Ile Glu Glu Gln Ser Phe  
50 55 60  
Leu Leu Cys Glu Asp Leu Leu Tyr Gly Arg Met Ser Phe Arg Gly Phe  
65 70 75 80  
Asn Pro Glu Val Glu Lys Leu Met Leu Gln Met Asn Ala Lys His Lys  
85 90 95  
Ala Glu Glu Val Glu Asp Glu Thr Val Glu Leu Asp Val Ser Asp Glu  
100 105 110  
Glu Met Ala Arg Arg Tyr Asp Thr

115

120

<210> 6431  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6431  
 Met Cys Ser Val Lys Ser Arg Leu Trp Lys Leu Leu Ser Pro Ala Arg  
 1 5 10 15  
 Leu Ala Arg Arg Ala His Arg Ser Lys Trp Leu Glu Ser Tyr Leu Leu  
 20 25 30  
 His Leu Glu Glu Met Gly Val Ser Glu Glu Met Gln Ala Arg Ala Leu  
 35 40 45  
 Val Leu Gln Leu Trp Ala  
 50

<210> 6432  
 <211> 375  
 <212> PRT  
 <213> Homo sapiens

<400> 6432  
 Met Ala Asn Pro Gly Gly Gly Ala Val Cys Asn Gly Lys Leu His Asn  
 1 5 10 15  
 His Lys Lys Gln Ser Asn Gly Ser Gln Ser Arg Asn Cys Thr Lys Asn  
 20 25 30  
 Gly Ile Val Lys Glu Ala Gln Gln Asn Gly Lys Pro His Phe Tyr Asp  
 35 40 45  
 Lys Leu Ile Val Glu Ser Phe Glu Glu Ala Pro Leu His Val Met Val  
 50 55 60  
 Phe Thr Tyr Met Gly Tyr Gly Ile Gly Thr Leu Phe Gly Tyr Leu Arg  
 65 70 75 80  
 Asp Phe Leu Arg Asn Trp Gly Ile Glu Lys Cys Asn Ala Ala Val Glu  
 85 90 95  
 Arg Lys Glu Gln Lys Asp Phe Val Pro Leu Tyr Gln Asp Phe Glu Asn  
 100 105 110  
 Phe Tyr Thr Arg Asn Leu Tyr Met Arg Ile Arg Asp Asn  
 115 120 125

<210> 6433  
 <211> 315  
 <212> PRT  
 <213> Homo sapiens

<400> 6433  
 Met Pro Ala Glu Arg Pro Ala Gly Ser Gly Gly Ser Glu Ala Pro Ala  
 1 5 10 15  
 Met Val Glu Gln Leu Asp Thr Ala Val Ile Thr Pro Ala Met Leu Glu  
 20 25 30  
 Glu Glu Glu Gln Leu Glu Ala Ala Gly Leu Glu Arg Glu Arg Lys Met  
 35 40 45  
 Leu Glu Lys Ala Arg Met Ser Trp Asp Arg Glu Ser Thr Glu Ile Arg  
 50 55 60

Tyr Arg Arg Leu Gln His Leu Leu Glu Lys Ser Asn Ile Tyr Ser Lys  
65 70 75 80  
Phe Leu Leu Thr Lys Met Glu Gln Gln Gln Leu Glu Glu Gln Lys Lys  
85 90 95  
Lys Glu Lys Leu Glu Arg Lys Lys Glu  
100 105

<210> 6434  
<211> 306  
<212> PRT  
<213> Homo sapiens

<400> 6434  
Met Arg Ser Pro Ser Pro Leu Arg Val His Val Gly Ser Arg Ala Pro  
1 5 10 15  
Gly Arg His Arg His Leu Gly Arg Cys Arg Cys Arg His Arg Leu Val  
20 25 30  
Ser Pro Ser Pro Ala Met Ala Glu Asp Leu Ser Ala Ala Thr Ser Tyr  
35 40 45  
Thr Glu Asp Asp Phe Tyr Cys Pro Val Cys Gln Glu Val Leu Lys Thr  
50 55 60  
Pro Val Arg Thr Thr Ala Cys Gln His Val Asn Arg Ser Glu Thr Ser  
65 70 75 80  
Thr Ser Asp Asn Thr Glu Thr Tyr Gln Glu Asn Thr Ser Ser Ser Gly  
85 90 95  
His Pro Thr Phe Lys Cys  
100

<210> 6435  
<211> 267  
<212> PRT  
<213> Homo sapiens

<400> 6435  
Met Thr Ser Arg Leu Arg Ala Leu Gly Gly Arg Ile Asn Asn Ile Arg  
1 5 10 15  
Thr Ser Glu Leu Pro Lys Glu Lys Thr Arg Ser Glu Val Ile Cys Ser  
20 25 30  
Ile His Phe Leu Asp Gly Val Val Gln Thr Phe Lys Val Thr Lys Gln  
35 40 45  
Asp Thr Gly Gln Val Leu Leu Asp Met Val His Asn His Leu Gly Val  
50 55 60  
Thr Glu Lys Glu Tyr Phe Gly Leu Gln His Asp Asp Asp Ser Val Asp  
65 70 75 80  
Ser Pro Arg Trp Leu Glu Ala Ser Lys  
85

<210> 6436  
<211> 348  
<212> PRT  
<213> Homo sapiens

<400> 6436  
Met Leu Leu Leu Asp Cys Asn Pro Glu Val Asp Gly Leu Lys His Leu

1                      5                      10                      15  
 Leu Glu Thr Gly Ala Ser Val Asn Ala Pro Pro Asp Pro Cys Lys Gln  
                     20                      25                      30  
 Ser Pro Val His Leu Ala Ala Gly Ser Gly Leu Ala Cys Phe Leu Leu  
                     35                      40                      45  
 Trp Gln Leu Gln Thr Gly Ala Asp Leu Asn Gln Gln Asp Val Leu Gly  
                     50                      55                      60  
 Glu Ala Pro Leu His Lys Ala Xaa Lys Val Gly Ser Leu Glu Cys Leu  
 65                      70                      75                      80  
 Ser Xaa Leu Val Ala Ser Asp Ala Gln Ile Asp Leu Cys Xaa Lys Xaa  
                     85                      90                      95  
 Gly Gln Thr Ala Glu Asp Leu Ala Trp Ser Cys Gly Phe Pro Asp Cys  
                     100                      105                      110  
 Ala Lys Phe Leu  
                     115

<210> 6437  
 <211> 225  
 <212> PRT  
 <213> Homo sapiens

<400> 6437  
 Met Ala Ala Ala Gly Gln Pro Gln Ala Xaa Ala Trp Arg Ser Thr Val  
 1                      5                      10                      15  
 Asp Glu Phe Leu Ala Ser Gly Phe Asp Ser Glu Ser Glu Ser Glu Ser  
                     20                      25                      30  
 Glu Asn Ser Pro Gln Ala Glu Thr Arg Glu Ala Arg Glu Ala Ala Arg  
                     35                      40                      45  
 Ser Pro Asp Lys Pro Gly Gly Ser Xaa Arg Pro Ala Gly Val Lys Ala  
                     50                      55                      60  
 Val Pro Leu Ser Thr Lys Thr Ser Ser Leu Gly  
 65                      70                      75

<210> 6438  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 6438  
 Met Val Ile Arg Val Phe Ile Ala Ser Ser Ser Gly Phe Val Ala Ile  
 1                      5                      10                      15  
 Lys Lys Lys Gln Gln Asp Val Val Arg Phe Leu Glu Ala Asn Lys Ile  
                     20                      25                      30  
 Glu Phe Glu Glu Val Asp Ile Thr Met Ser Glu Glu Gln Arg Gln Trp  
                     35                      40                      45  
 Met Tyr Lys Asn Val  
                     50

<210> 6439  
 <211> 249  
 <212> PRT  
 <213> Homo sapiens

<400> 6439

Met Xaa Ala Lys Ala Phe Arg Val Lys Ser Xaa Thr Ala Ile Lys Gly  
 1 5 10 15  
 Ser Asp Arg Arg Lys Leu Arg Ala Asp Val Thr Thr Ala Phe Pro Thr  
 20 25 30  
 Leu Gly Xaa Asp Gln Val Ser Glu Leu Val Pro Gly Lys Glu Glu Leu  
 35 40 45  
 Asn Ile Val Lys Leu Tyr Ala His Lys Gly Asp Ala Val Thr Val Tyr  
 50 55 60  
 Val Ser Gly Gly Xaa Pro Ile Leu Phe Glu Leu Glu Lys Asn Leu Tyr  
 65 70 75 80  
 Pro Xaa Val

<210> 6440  
 <211> 276  
 <212> PRT  
 <213> Homo sapiens

<400> 6440  
 Met Ala Cys Ser Ile Val Gln Phe Cys Tyr Phe Gln Asp Leu Gln Ala  
 1 5 10 15  
 Ala Arg Asp Phe Leu Phe Pro His Leu Arg Glu Glu Ile Leu Ser Gly  
 20 25 30  
 Ala Leu Arg Arg Asp Pro Ser Lys Ser Thr Asp Trp Glu Asp Asp Gly  
 35 40 45  
 Trp Gly Ala Trp Glu Glu Asn Glu Pro Gln Glu Pro Glu Glu Glu Gly  
 50 55 60  
 Asn Thr Cys Lys Thr Gln Lys Thr Ser Trp Leu Gln Asp Cys Val Leu  
 65 70 75 80  
 Ser Leu Ser Pro Thr Asn Asp Leu Met Val Ile Ala  
 85 90

<210> 6441  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 6441  
 Met Leu Ala Arg Leu Val Ser Asp Ser Arg Pro Gln Val Ile Cys Leu  
 1 5 10 15  
 Pro Arg Pro Pro Lys Val Leu Gly Leu Gln Ala Trp Ala Thr Ala Pro  
 20 25 30  
 Gly Leu Ile Ser Val Phe Lys Arg Ala Ala His Leu Trp Pro Leu  
 35 40 45  
 Leu Pro Arg Asp Leu Pro Glu Gly Arg Cys Arg Ala Gln Gly Asn Asn  
 50 55 60  
 Pro  
 65

<210> 6442  
 <211> 204  
 <212> PRT  
 <213> Homo sapiens

<400> 6442

Met Val Ser Ile Leu Ser Ser Phe Glu Ser Arg Leu Met Lys Leu Glu  
 1 5 10 15  
 Asn Ser Ile Ile Pro Val His Lys Gln Thr Glu Asn Leu Gln Arg Leu  
 20 25 30  
 Gln Glu Asn Val Glu Lys Thr Leu Ser Cys Leu Asp His Val Ile Ser  
 35 40 45  
 Tyr Tyr His Val Ala Ser Asp Thr Glu Lys Ile Ile Arg Glu Gly Pro  
 50 55 60  
 Gln Val Gly Trp  
 65

<210> 6443  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 6443  
 Met Phe Cys Phe Leu Phe Ser Trp Trp Leu Arg Gly Gly Leu His Val  
 1 5 10 15  
 Leu Leu Asn Thr Cys Leu Tyr Val Pro Tyr Gly Tyr Leu Ser Leu Ile  
 20 25 30  
 Cys Leu Leu Cys Leu Trp Tyr Leu Asn Leu Tyr Lys Phe Ser Ile Phe  
 35 40 45  
 Phe Ser Phe Leu Ser Phe Phe Phe  
 50 55

<210> 6444  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 6444  
 Met Ser Asn Lys Gln Lys Leu Ile Phe Leu Arg Gln Asp Leu Ile Leu  
 1 5 10 15  
 Met Pro Lys Leu Glu Cys Ser Gly Ala Ile Ile Ala Tyr Cys Ser Leu  
 20 25 30  
 Asp Leu Pro Gly Ser Gly Asp Pro Pro Thr Ser Ala Ser Gln Val Ala  
 35 40 45  
 Gly Asn Arg Cys Ile Pro His Thr  
 50 55

<210> 6445  
 <211> 273  
 <212> PRT  
 <213> Homo sapiens

<400> 6445  
 Met Thr Ser Phe Arg Leu Ala Leu Ile Gln Leu Gln Ile Ser Ser Ile  
 1 5 10 15  
 Lys Ser Asp Asn Val Thr Arg Ala Xaa Ser Phe Ile Arg Glu Ala Ala  
 20 25 30  
 Thr Gln Gly Ala Lys Ile Val Ser Leu Pro Glu Cys Phe Asn Ser Pro  
 35 40 45  
 Tyr Gly Ala Lys Tyr Phe Xaa Glu Tyr Ala Glu Lys Ile Pro Gly Glu



50 55 60  
 Ser Thr Gln Lys Leu Ser Glu Val Ala Lys Glu Cys Ser Ile Tyr Leu  
 65 70 75 80  
 Ile Gly Gly Ser Ile Pro Glu Glu Asp Ala Gly  
 85 90

<210> 6446  
 <211> 231  
 <212> PRT  
 <213> Homo sapiens

<400> 6446  
 Met Leu Asn Leu Ala Phe Ile Thr Phe Glu Leu Ser Cys Leu Pro Ser  
 1 5 10 15  
 Thr Leu Phe Thr Asn Phe Phe Val Cys Leu Phe Phe Gly Phe Leu Phe  
 20 25 30  
 Val Cys Leu Phe Val Phe Glu Met Glu Phe His Ser Gly Leu Gly Asn  
 35 40 45  
 Arg Ala Arg Leu Cys Leu Lys Gln Thr Asn Lys Gln Thr Lys Gly Leu  
 50 55 60  
 Tyr Ile Gln Val Lys Ile Arg Ser Val Thr Glu Ser Trp  
 65 70 75

<210> 6447  
 <211> 297  
 <212> PRT  
 <213> Homo sapiens

<400> 6447  
 Met Ser Gly Pro Thr Asp Glu Thr Ala Gly Asp Leu Pro Val Lys Asp  
 1 5 10 15  
 Thr Gly Leu Asn Leu Phe Gly Met Gly Gly Leu Gln Glu Thr Ser Thr  
 20 25 30  
 Thr Arg Thr Met Lys Ser Arg Gln Ala Val Ser Arg Val Ser Arg Glu  
 35 40 45  
 Glu Leu Glu Asp Arg Phe Leu Arg Leu His Asp Glu Asn Ile Leu Leu  
 50 55 60  
 Lys Gln His Ala Arg Lys Gln Glu Asp Lys Ile Lys Arg Met Ala Thr  
 65 70 75 80  
 Lys Leu Ile Arg Leu Val Asn Asp Lys Lys Arg Tyr Glu Arg Val Gly  
 85 90 95  
 Gly Gly Pro

<210> 6448  
 <211> 354  
 <212> PRT  
 <213> Homo sapiens

<400> 6448  
 Met Thr Ser Glu Leu Asp Ile Phe Val Gly Asn Thr Thr Leu Ile Asp  
 1 5 10 15  
 Glu Asp Val Tyr Arg Leu Trp Leu Asp Gly Tyr Ser Val Thr Asp Ala  
 20 25 30  
 Val Ala Leu Arg Val Arg Ser Gly Ile Leu Glu Gln Thr Gly Ala Thr

35 40 45  
 Ala Ala Val Leu Gln Ser Asp Thr Met Asp His Tyr Arg Thr Phe His  
 50 55 60  
 Met Leu Glu Arg Leu Leu His Ala Pro Pro Lys Leu Leu His Gln Leu  
 65 70 75 80  
 Ile Phe Gln Ile Pro Pro Ser Arg Gln Ala Leu Leu Ile Glu Arg Tyr  
 85 90 95  
 Tyr Ala Phe Asp Glu Ala Phe Val Arg Glu Val Leu Gly Lys Lys Leu  
 100 105 110  
 Ser Lys Gly Thr Lys Lys  
 115

<210> 6449  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6449  
 Met Ala Ser Ile Trp Val Gly His Arg Gly Thr Val Arg Asp Tyr Pro  
 1 5 10 15  
 Asp Phe Ser Pro Ser Val Asp Ala Glu Ala Ile Gln Lys Ala Ile Arg  
 20 25 30  
 Gly Ile Gly Thr Asp Glu Lys Met Leu Ile Ser Ile Leu Thr Glu Arg  
 35 40 45  
 Ser Asn Ala Gln  
 50

<210> 6450  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 6450  
 Met His Asp Glu Gly Val Leu Ile His Ser Gly Lys Gly Asn Thr Glu  
 1 5 10 15  
 Val Ile His Thr Gly Thr Leu Gln Arg His Glu Ser His His Ile Arg  
 20 25 30  
 Asp Phe Cys Phe Gln Glu Ile Glu Lys Asp Ile His Asn Phe Glu Phe  
 35 40 45  
 Gln Trp Gln Glu Glu Glu Arg Asn Gly His Glu Ala Pro  
 50 55 60

<210> 6451  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 6451  
 Met Ser Asn Arg Ser Xaa Phe Ser Arg Leu Thr Trp Xaa Arg Lys Gln  
 1 5 10 15  
 Arg Lys Xaa Val Val Ser Thr Ser Xaa Lys Lys Met Pro Asn Gly Ile  
 20 25 30  
 Leu Xaa Xaa Gln Glu Gln Gln Xaa Val Met Leu Leu Ser Arg Ser Pro  
 35 40 45

Ser Gly Pro Lys Lys Tyr Phe Pro Ile Pro Val Glu His Leu Glu  
 50 55 60

<210> 6452  
 <211> 318  
 <212> PRT  
 <213> Homo sapiens

<400> 6452  
 Met Ala Ser Xaa Gly Gly Glu Leu Gly Xaa Leu Phe Asp His His Val  
 1 5 10 15  
 Gln Arg Ala Val Cys Asp Thr Arg Ala Lys Tyr Arg Glu Gly Arg Arg  
 20 25 30  
 Pro Arg Ala Val Lys Val Tyr Thr Ile Asn Leu Glu Ser Gln Tyr Leu  
 35 40 45  
 Leu Ile Gln Gly Val Pro Ala Val Gly Val Met Lys Glu Leu Val Glu  
 50 55 60  
 Arg Phe Ala Leu Tyr Gly Ala Ile Glu Gln Tyr Asn Ala Leu Asp Glu  
 65 70 75 80  
 Tyr Pro Ala Glu Asp Phe Thr Glu Val Tyr Leu Ile Lys Phe Met Asn  
 85 90 95  
 Leu Gln Ser Ala Arg Thr Ala Lys Arg Lys  
 100 105

<210> 6453  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6453  
 Met Ala Thr Ala Asn Phe Gly Lys Ile Gln Ile Gly Ile Tyr Val Glu  
 1 5 10 15  
 Ile Lys Arg Xaa Xaa Gly Arg Ile His Gln Ala Met Val Thr Ser Leu  
 20 25 30  
 Asn Glu Asp Asn Glu Ser Val Thr Val Glu Trp Ile Glu Asn Gly Asp  
 35 40 45  
 Thr Lys Gly Lys  
 50

<210> 6454  
 <211> 318  
 <212> PRT  
 <213> Homo sapiens

<400> 6454  
 Met Thr Pro Thr Glu Arg Pro His Gly Ser Asp Ile Cys Thr Ser Trp  
 1 5 10 15  
 Pro Arg Pro Ile Phe Gly Ser Leu His His Val Pro Asp Leu Ser Cys  
 20 25 30  
 Arg Gly Trp His Thr Ile Leu Ile Val Glu Lys Val Leu Asn Ser Lys  
 35 40 45  
 Thr Ile Arg Ser Asn Ser Ser Gly Leu Ser Ile Gly Thr Asp Leu Ser  
 50 55 60  
 Val Phe Gln Ser Ser Ser Pro Gly Gly Gly Gly Gly Gly Gly Gly

65                      70                      75                      80  
 Glu Glu Glu Asp Ser Gln Gln Glu Ser Glu Thr Pro Asp Pro Ser Gly  
                     85                      90                      95  
 Gly Phe Arg Gly Thr Met Glu Ala Asp Arg  
                     100                      105

<210> 6455  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 6455  
 Met Asp Arg Thr Cys Glu Glu Arg Pro Ala Glu Asp Gly Ser Asp Glu  
 1                      5                      10                      15  
 Glu Asp Pro Asp Ser Met Glu Ala Pro Thr Arg Ile Arg Asn Thr Pro  
                     20                      25                      30  
 Glu Asp Ile Val Leu Glu Ala Pro Ala Ser Gly Leu Ala Phe His Pro  
                     35                      40                      45  
 Ala Arg Asp Leu Leu Ala Ala Gly Asp Val Asp Gly Asp Val Phe Val  
                     50                      55                      60  
 Phe Ser Tyr Ser Cys Gln Glu Gly Glu Thr Lys Glu Leu Trp Ser Ser  
 65                      70                      75                      80  
 Gly Asn

<210> 6456  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 6456  
 Met Glu Thr Ala Gly Gln Glu Val Arg Arg Val Ser Gln Cys Arg Arg  
 1                      5                      10                      15  
 Ser Trp Cys Pro Ala Leu Pro Thr Phe Tyr Pro Pro Leu Leu Pro Cys  
                     20                      25                      30  
 Val His Pro Ser Ser Leu Pro Thr Thr Val Gly Ala Arg Leu Asn Ile  
                     35                      40                      45  
 Ala Thr Ser  
 50

<210> 6457  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 6457  
 Met Ala Ala Ala Xaa Xaa Ala Ala Ala Pro Gly Ser Arg Glu Pro  
 1                      5                      10                      15  
 Gln Asp Arg Pro Glu Cys Gly Xaa Asp Thr Arg Val Pro Asp Thr Thr  
                     20                      25                      30  
 Asp Thr Arg Arg Gly Gly Ser Phe Ala Leu Lys Pro Ser Ser Ala Pro  
                     35                      40                      45  
 Tyr Ala Leu Gly Pro Leu Pro Gln Arg Ile Arg Ser Val Arg Pro Pro  
                     50                      55                      60  
 Ala Arg Ser Gly Pro Ala Met Ser Arg

65

70

<210> 6458  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 6458  
 Met Lys Val Ile Gln Ile Thr Thr Lys Thr Phe Leu Ile Ser Asn Ser  
 1 5 10 15  
 His Ser Ser Arg Pro Ser Thr Ile Phe Cys Ser Ala Trp Leu Gly His  
 20 25 30  
 Ile Leu Val Cys Gln Leu Arg Val Leu Arg His Val Asp Ile Leu Leu  
 35 40 45  
 Gly His His Asp Ser Leu Pro Tyr His Gln Ile Asn Trp Pro Pro  
 50 55 60

<210> 6459  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 6459  
 Met Xaa Cys Arg Asn Gln Leu Ser Pro Val Asn Ile His Pro Ser Tyr  
 1 5 10 15  
 Ala Pro Ser Ser Pro Ser Ser Ser Asn Ser Gly Ser Tyr Lys Gly Ser  
 20 25 30  
 Asp Cys Ser Pro Ile Met Arg Arg Ser Gly Arg Tyr Met Ser Cys Gly  
 35 40 45  
 Glu Asn His Gly Val Arg Pro Pro Asn Pro Xaa  
 50 55

<210> 6460  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6460  
 Met Ile Arg His Ser Phe Leu Ile Gln Glu Asp Ser Ser Ala His Cys  
 1 5 10 15  
 Asn Leu Cys Leu Leu Gly Ser Asn Asp Ser Pro Ala Ser Thr Ser Gln  
 20 25 30  
 Ala Ala Gly Ile Thr Gly Thr Arg His His Ala Arg Pro Ile Ile Ile  
 35 40 45  
 Ile Leu Glu Thr Glu Ser Arg Tyr Val Val Gln Ala  
 50 55 60

<210> 6461  
 <211> 252  
 <212> PRT  
 <213> Homo sapiens

<400> 6461  
 Met Glu Glu Thr Met Ser Ala Ser Thr Gly Gly Cys Ile Leu Arg Leu

1 5 10 15  
 Val Ala Ser Leu Gln Glu His Phe Pro Phe Val Glu Lys Leu Thr Lys  
 20 25 30  
 Arg Leu Lys Arg His Pro Glu Glu Thr Gly Gly Phe Gln Glu Ala Pro  
 35 40 45  
 Leu Ala Tyr Asp Ala Ile Trp Ala Leu Ala Leu Ala Leu Asn Lys Thr  
 50 55 60  
 Ser Gly Gly Gly Gly Arg Ser Gly Val Arg Leu Glu Asp Phe Asn Tyr  
 65 70 75 80  
 Asn Asn Gln Thr

<210> 6462  
 <211> 222  
 <212> PRT  
 <213> Homo sapiens

<400> 6462  
 Met Arg Leu Ala Thr Trp Thr Ala Gly Gly Ser Ala Ile Gly Tyr Thr  
 1 5 10 15  
 Val Gln Val Pro Gly Gly Arg Glu Lys Gly Pro Glu Ala Gly Leu Gly  
 20 25 30  
 Asp Gln Phe Gln Leu Leu His Ile Val His Trp Asn Ile Leu Ser Pro  
 35 40 45  
 His Leu Tyr Gly Leu Cys Leu Ala Glu Ser Leu Leu Tyr Tyr Gln Thr  
 50 55 60  
 Pro Pro Ala Thr His Thr Ser Thr Arg Pro  
 65 70

<210> 6463  
 <211> 270  
 <212> PRT  
 <213> Homo sapiens

<400> 6463  
 Met Ala Ser Asn Asp Asn Ala Asn Lys Thr Cys Lys Met Trp Gly Pro  
 1 5 10 15  
 His His Val Ser Gln Ala Gly Gln Glu Leu Leu Thr Ser Ser Asp Leu  
 20 25 30  
 Pro Ala Pro Ala Ser Gln Ile Ala Gly Ile Thr Gly Val Asn His His  
 35 40 45  
 Ala Arg Pro Val Phe Lys Tyr Phe Tyr Leu Gln Asp Asp Gly His Ile  
 50 55 60  
 Pro Leu Gly Leu Phe Val Thr Glu Thr His His Arg Arg Gln Gly Val  
 65 70 75 80  
 Ile Glu Gly Leu Leu Gly Glu Val Ala Gly  
 85 90

<210> 6464  
 <211> 264  
 <212> PRT  
 <213> Homo sapiens

<400> 6464  
 Met Glu Leu Trp Ala Pro Gln Arg Leu Pro Gln Thr Arg Gly Lys Val

1                      5                      10                      15  
 Ser Ala Pro Ser Lys Asp Pro Asp Arg Gly Phe Arg Arg Asp Gly His  
                          20                      25                      30  
 His Xaa Pro Val Pro His Ser Trp His Asn Gly Glu Arg Phe His Gln  
                          35                      40                      45  
 Trp Gln Asp Asn Arg Gly Ser Pro Gln Pro Gln Gln Glu Pro Arg Ala  
                          50                      55                      60  
 Asp His Gln Gln Gln Pro His Tyr Ala Ser Arg Pro Gly Asp Trp His  
 65                      70                      75                      80  
 Gln Pro Val Ser Gly Val Asp Tyr  
                          85

<210> 6465  
 <211> 264  
 <212> PRT  
 <213> Homo sapiens

<400> 6465  
 Met Ser Glu Arg Glu Glu Arg Arg Phe Val Glu Ile Pro Arg Glu Ser  
 1                      5                      10                      15  
 Val Arg Leu Met Ala Glu Ser Thr Gly Leu Glu Leu Ser Asp Glu Val  
                          20                      25                      30  
 Ala Ala Leu Leu Ala Glu Asp Val Cys Tyr Arg Leu Arg Glu Ala Thr  
                          35                      40                      45  
 Gln Asn Ser Ser Gln Phe Met Lys His Thr Lys Arg Arg Lys Leu Thr  
                          50                      55                      60  
 Val Glu Asp Phe Asn Arg Ala Leu Arg Trp Ser Ser Val Glu Ala Val  
 65                      70                      75                      80  
 Cys Gly Tyr Gly Ser Gln Glu Asp  
                          85

<210> 6466  
 <211> 291  
 <212> PRT  
 <213> Homo sapiens

<400> 6466  
 Met Glu Arg Leu Leu Gly Gly Gln Leu Gly Leu Glu Asp Phe Ile Phe  
 1                      5                      10                      15  
 Ala His Val Lys Gly Ile Glu Lys Glu Val Asn Val Tyr Lys Ser Glu  
                          20                      25                      30  
 Asp Ser Leu Gly Leu Thr Ile Thr Asp Asn Gly Val Gly Tyr Ala Phe  
                          35                      40                      45  
 Ile Lys Arg Ile Lys Asp Gly Gly Val Ile Asp Ser Val Lys Thr Ile  
                          50                      55                      60  
 Cys Val Gly Asp His Ile Glu Ser Ile Asn Gly Glu Asn Ile Val Gly  
 65                      70                      75                      80  
 Trp Arg His Tyr Asp Val Ala Lys Lys Leu Lys Glu Leu Lys Lys Glu  
                          85                      90                      95  
 Asp

<210> 6467  
 <211> 255  
 <212> PRT

<213> Homo sapiens

<400> 6467

Met Glu Ser Leu Ser Val Ala Gln Ala Ala Val Gln Cys Ala Ile Leu  
1 5 10 15  
Ala Cys Cys Asn Leu Arg Leu Pro Gly Ser Ser Lys Ser Ala Ser Ala  
20 25 30  
Ser Gln Val Ala Gly Ile Thr Gly Ile Cys His His Ala Gln Leu Ile  
35 40 45  
Phe Val Phe Leu Val Glu Met Gly Xaa His Cys Val Gly Gln Gly Gly  
50 55 60  
Leu Lys Leu Leu Thr Ser Gly Asp Thr Pro Ala Leu Ala Ser Gln Ser  
65 70 75 80  
Ala Ala Ile Thr Gly  
85

<210> 6468

<211> 168

<212> PRT

<213> Homo sapiens

<400> 6468

Met Leu Val Leu Pro Thr Arg Gly Leu Cys Pro Trp Val Pro Val Met  
1 5 10 15  
Gln Gln Ser Val Glu Ala Val Gly Leu Ala Gln Gly Leu Tyr Leu Ser  
20 25 30  
Pro Ser Pro Thr Phe Ala Lys Leu Pro Phe Trp Ala Ser Ala Ser Gln  
35 40 45  
Glu Pro Thr Leu Pro Gln Pro Lys  
50 55

<210> 6469

<211> 174

<212> PRT

<213> Homo sapiens

<400> 6469

Met Ser Ser Gly Asn Tyr Gln Gln Ser Glu Ala Leu Ser Lys Pro Thr  
1 5 10 15  
Phe Ser Glu Glu Gln Ala Ser Ala Leu Val Glu Ser Val Phe Gly Leu  
20 25 30  
Lys Val Ser Lys Val Arg Pro Leu Pro Ser Tyr Asp Asp Gln Asn Phe  
35 40 45  
His Val Tyr Val Ser Lys Thr Lys Asp Arg  
50 55

<210> 6470

<211> 183

<212> PRT

<213> Homo sapiens

<400> 6470

Met Lys Gln Leu Arg Phe Arg Asp Leu Ser His Phe Ala Pro Arg Pro  
1 5 10 15



Thr Ala Arg Asp Leu Asn Pro Ala Leu Tyr Leu Pro Arg Ser His Phe  
 20 25 30  
 Phe Leu Phe His Gln Leu Tyr Leu Phe Leu Cys His Arg Ser Trp Gln  
 35 40 45  
 Pro Arg Ser Asp Cys Trp Ser Cys Pro Leu Phe His Pro  
 50 55 60

<210> 6471  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 6471  
 Met Met Pro Leu Gln Glu Phe Val Ser Val Trp Val Arg Asp Pro Arg  
 1 5 10 15  
 Ile Gln Lys Glu Asp Phe Trp His Ser Tyr Ile Asp Tyr Glu Ile Cys  
 20 25 30  
 Ile His Thr Asn Ser Met Cys Phe Thr Met Lys Thr Ser Cys Val Arg  
 35 40 45  
 Arg Arg Tyr Arg Glu  
 50

<210> 6472  
 <211> 327  
 <212> PRT  
 <213> Homo sapiens

<400> 6472  
 Met Gly Ser Pro Xaa Ile Glu Val Asp Val Leu Gly Met Pro Leu Asp  
 1 5 10 15  
 Ser Cys His Phe Arg Thr Lys Pro Ile His Arg Asn Thr Leu Asn Pro  
 20 25 30  
 Met Trp Asn Glu Gln Phe Leu Phe Arg Val His Phe Glu Asp Leu Val  
 35 40 45  
 Phe Leu Arg Phe Ala Val Val Glu Asn Asn Ser Ser Ala Val Thr Ala  
 50 55 60  
 Gln Arg Ile Ile Pro Leu Lys Ala Leu Lys Arg Gly Tyr Arg His Leu  
 65 70 75 80  
 Gln Leu Arg Asn Leu His Asn Glu Val Leu Glu Ile Ser Ser Leu Phe  
 85 90 95  
 Ile Asn Ser Arg Arg Met Glu Glu Asn Ser Ser Gly Asn  
 100 105

<210> 6473  
 <211> 300  
 <212> PRT  
 <213> Homo sapiens

<400> 6473  
 Met Leu Arg Phe Pro Thr Cys Phe Pro Ser Xaa Arg Val Xaa Gly Xaa  
 1 5 10 15  
 Lys Gln Leu Pro Gln Glu Ile Ile Xaa Leu Val Trp Ser Pro Xaa Arg  
 20 25 30  
 Asp Xaa Ile Xaa Leu Ala Asn Thr Ala Gly Glu Val Leu Leu His Arg

35 40 45  
 Leu Ala Ser Phe His Arg Val Trp Ser Phe Pro Pro Asn Glu Asn Thr  
 50 55 60  
 Gly Xaa Glu Val Thr Cys Leu Ala Trp Arg Pro Asp Gly Lys Leu Leu  
 65 70 75 80  
 Ala Phe Ala Leu Ala Asp Thr Lys Lys Ile Val Leu Cys Asp Val Glu  
 85 90 95  
 Lys Pro Glu Ser  
 100

<210> 6474  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 6474  
 Met Glu Leu Glu Pro Met Tyr Ser Asn Val Asn Pro Gly Asp Ser Asn  
 1 5 10 15  
 Pro Ile Tyr Ser Gln Ile Trp Ser Ile Gln His Thr Lys Glu Asn Ser  
 20 25 30  
 Ala Asn Cys Pro Met Met His Gln Glu His Glu Glu Leu Thr Val Leu  
 35 40 45  
 Tyr Ser Glu Leu Lys Lys Thr His Pro Asp Asp Ser Ala Gly Glu Ala  
 50 55 60  
 Ser Ser Arg Xaa Arg Ala  
 65 70

<210> 6475  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6475  
 Met Lys Ala Glu Ile Lys Met Phe Phe Glu Thr Ser Glu Asn Lys His  
 1 5 10 15  
 Thr Thr Tyr Gln Asn Leu Trp Asp Thr Phe Lys Ala Val Xaa Arg Gly  
 20 25 30  
 Lys Phe Ile Ala Val Asn Ala His Lys Arg Lys Gln Glu Arg Ser Lys  
 35 40 45  
 Ile Asp Thr Leu  
 50

<210> 6476  
 <211> 270  
 <212> PRT  
 <213> Homo sapiens

<400> 6476  
 Met Lys Gln Glu Met Glu Lys Arg Leu Gln Glu Met Glu Ile Leu Tyr  
 1 5 10 15  
 Lys Lys Glu Lys Glu Glu Ala Asp Leu Leu Leu Glu Gln Arg Leu  
 20 25 30  
 Asp Ala Asp Ser Asp Ser Gly Asp Asp Ser Asp Lys Arg Ser Cys Glu  
 35 40 45

Glu Ser Trp Lys Leu Ile Thr Ser Leu Arg Glu Lys Leu Pro Pro Ser  
 50 55 60  
 Lys Leu Gln Thr Ile Val Lys Lys Cys Gly Leu Pro Ser Ser Gly Lys  
 65 70 75 80  
 Lys Arg Glu Pro Ile Lys Met Tyr Gln Ile  
 85 90

<210> 6477  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 6477  
 Met Gln Gln Pro Phe Asn Tyr Pro Tyr Pro Gln Ile Tyr Trp Val Asp  
 1 5 10 15  
 Ser Ser Ala Ser Ser Pro Trp Ala Pro Pro Gly Thr Val Leu Pro Cys  
 20 25 30  
 Pro Thr Ser Val Pro Arg Arg Pro Gly Gln Arg Arg Pro Pro Pro Pro  
 35 40 45  
 Pro Pro Pro Pro Leu Pro Pro Pro Pro  
 50 55

<210> 6478  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6478  
 Met Trp Pro Lys Xaa Gly Leu Leu Gly Leu Gly Leu Pro Leu Leu Pro  
 1 5 10 15  
 Pro Asn His Pro Ser Val Ala Gln Gly Thr Leu Val Ser Ser His Ser  
 20 25 30  
 Gly Ser Gly Ser Glu Gly Arg Val Ala Leu Arg Ser Asp Val His Ser  
 35 40 45  
 Pro Lys Thr Thr Xaa Gln  
 50

<210> 6479  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 6479  
 Met Xaa Pro Pro Pro Glu Glu Ser Pro Met Xaa Pro Pro Pro Glu Ala  
 1 5 10 15  
 Ser Arg Leu Xaa Pro Pro Phe Glu Glu Ser Pro Leu Xaa Pro Pro Pro  
 20 25 30  
 Glu Glu Ser Pro Leu Ser Pro Pro Pro Glu Ala Ser Arg Leu Xaa Pro  
 35 40 45  
 Pro Pro Glu Xaa Ser Pro Met Ser Xaa Pro Pro  
 50 55

<210> 6480  
 <211> 222

<212> PRT

<213> Homo sapiens

<400> 6480

Met Leu Lys Gln Trp Gly Ser Arg Glu Tyr Pro His Leu Gln Thr Asn  
1 5 10 15  
Cys Leu Cys Phe Pro Gly Ser Lys Pro Lys Pro Lys Pro Ala Gly Xaa  
20 25 30  
Thr Ala Ser Arg Gln Ser Ser Gln Ser Ala Val Gln Arg Lys Leu Glu  
35 40 45  
Asn Val Phe Gly Gly Gly Gln Cys Arg Leu Asp Cys Leu His Leu Gly  
50 55 60  
Lys Gly Phe Tyr Asn Thr Val Thr Arg Thr  
65 70

<210> 6481

<211> 189

<212> PRT

<213> Homo sapiens

<400> 6481

Met Pro Asn Asp Gln Glu Glu Glu Ser Phe Ala Glu Gly His Ser Glu  
1 5 10 15  
Ala Ser Leu Ala Ser Ala Leu Val Glu Gly Glu Ile Ala Glu Glu Ala  
20 25 30  
Ala Glu Lys Ala Thr Ser Arg Gly Ser Asn Ser Gly Met Asp Ser Asn  
35 40 45  
Ile Asp Leu Thr Ile Val Glu Asp Glu Glu Glu Glu Ser Val Ala  
50 55 60

<210> 6482

<211> 255

<212> PRT

<213> Homo sapiens

<400> 6482

Met Arg Asn Ile Ala Pro Asn Ile Ser Arg Ala Glu Ile Ile Ser Leu  
1 5 10 15  
Cys Lys Arg Tyr Pro Gly Phe Met Arg Val Ala Leu Ser Glu Pro Gln  
20 25 30  
Pro Glu Arg Arg Phe Phe Arg Arg Gly Trp Val Thr Phe Asp Arg Ser  
35 40 45  
Val Asn Ile Lys Glu Ile Cys Trp Asn Leu Gln Asn Ile Arg Leu Arg  
50 55 60  
Glu Cys Glu Leu Ser Pro Gly Val Asn Arg Asp Leu Thr Arg Arg Val  
65 70 75 80  
Arg Asn Ile Asn Gly  
85

<210> 6483

<211> 207

<212> PRT

<213> Homo sapiens

<400> 6483

Met Gln Pro Asp Arg Ala Ser Pro Ser Arg Xaa Ala Phe Lys Lys Glu  
1 5 10 15  
Pro Gly Thr Leu Val Tyr Ile Glu Lys Pro Arg Ser Ala Ala Gly Leu  
20 25 30  
Ser Ser Leu Val Asp Leu Gly Pro Pro Leu Met Glu Lys Gln Val Phe  
35 40 45  
Ala Tyr Ser Thr Ala Thr Ile Pro Lys Asp Arg Xaa Thr Ser Glu Xaa  
50 55 60  
Met Met Lys Thr Thr  
65

<210> 6484

<211> 165

<212> PRT

<213> Homo sapiens

<400> 6484

Met Phe Pro Arg Arg Pro Leu Asp Thr Cys Phe Ser Thr Leu Gln Arg  
1 5 10 15  
Val Gly Pro Gln Gln Glu Phe Arg Ser Ala His Phe Thr Val Asn Leu  
20 25 30  
Leu Arg Val Leu Thr Asp His Ser Phe Ser Phe Cys Leu Met Lys Arg  
35 40 45  
Ala Cys Trp Pro Leu Gly Val  
50 55

<210> 6485

<211> 321

<212> PRT

<213> Homo sapiens

<400> 6485

Met Asn Phe Lys Leu Thr Gly Lys Gly Ile Thr Phe Phe Ser Ser Glu  
1 5 10 15  
Ser Lys Lys Tyr Glu Xaa Pro Lys Asp Asp Arg Glu Glu Glu Phe Asn  
20 25 30  
Thr Trp Val Asn Asn Met Tyr Val Phe Phe Val Asn Thr Leu Phe His  
35 40 45  
Ala Tyr Lys Arg Glu Glu Ala Ile Lys Glu Lys Ile Arg Ala Asp Arg  
50 55 60  
Leu Arg Ser Thr Ala Gln Ala Gln Gln Arg Lys Met Glu Asp Asp Glu  
65 70 75 80  
Leu Glu Ala Arg Leu Asn Ile Phe Ile Leu Arg Glu Glu Glu Ala Lys  
85 90 95  
Arg His Asp Tyr Glu Val Asp Ile Thr Val Leu  
100 105

<210> 6486

<211> 396

<212> PRT

<213> Homo sapiens

<400> 6486

Met Ala Leu Ala Phe Cys Leu Cys Met Ala Glu Ala Ile Leu Leu Phe  
 1 5 10 15  
 Ser Pro Glu His Ser Leu Phe Phe Phe Cys Ser Arg Lys Ala Arg Ile  
 20 25 30  
 Arg Leu His Trp Ala Gly Gln Thr Leu Ala Ile Leu Cys Ala Ala Leu  
 35 40 45  
 Gly Leu Gly Phe Ile Ile Ser Ser Arg Thr Arg Ser Glu Leu Pro His  
 50 55 60  
 Leu Val Ser Trp His Ser Trp Val Gly Ala Leu Thr Leu Leu Ala Thr  
 65 70 75 80  
 Ala Val Gln Ala Leu Cys Gly Leu Cys Leu Leu Cys Pro Arg Ala Ala  
 85 90 95  
 Arg Val Ser Arg Val Ala Arg Leu Lys Leu Tyr His Leu Thr Cys Gly  
 100 105 110  
 Leu Val Val Tyr Leu Met Ala Thr Val Thr Val Leu Leu Gly Met Tyr  
 115 120 125  
 Ser Val Trp Phe  
 130

<210> 6487  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6487  
 Met Gln Pro Gln Ala Ser Ala Ile Pro Ser Pro Gly Lys Phe Arg Ser  
 1 5 10 15  
 Pro Ala Ala Pro Ser Pro Leu Ala Leu Arg Gln Pro Val Lys Ala Phe  
 20 25 30  
 Ser Asn His Gly Ser Gly Ser Pro Gly Ser Gln Glu Ile Thr Gln Leu  
 35 40 45  
 Thr Gln Thr Thr  
 50

<210> 6488  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 6488  
 Met Leu Thr Pro Ser Thr Gly Arg Asp Arg Tyr Val Arg Thr Leu Pro  
 1 5 10 15  
 Ser Tyr Leu Val Arg Gly Ile Val Asn Trp Ser Val Ser Ile Lys Arg  
 20 25 30  
 Tyr Glu Ile Val Ile Phe Asp Leu Leu Ile Xaa Leu Ile Val Val Ser  
 35 40 45  
 Pro Trp Glu Ile Phe Leu Lys Ser Ile Lys Ile Leu Tyr Ala Ser Arg  
 50 55 60  
 Ala Pro Gln  
 65

<210> 6489  
 <211> 195  
 <212> PRT

<213> Homo sapiens

<400> 6489

Met Phe Phe Ala Pro Xaa Cys Gly His Cys Gln Arg Leu Gln Pro Thr  
1 5 10 15  
Trp Asn Asp Leu Gly Asp Lys Tyr Asn Ser Met Glu Asp Ala Lys Val  
20 25 30  
Tyr Val Ala Lys Val Asp Cys Thr Ala His Ser Asp Val Cys Ser Ala  
35 40 45  
Gln Gly Val Arg Gly Tyr Pro Thr Leu Lys Leu Phe Lys Pro Gly Gln  
50 55 60  
Lys  
65

<210> 6490

<211> 168

<212> PRT

<213> Homo sapiens

<400> 6490

Met Glu Phe Cys Ser Phe Cys Pro Gly Tyr Ser Ala Met Val Pro Asn  
1 5 10 15  
Ser Pro His Cys Asn Gly Ala Asn Leu Ala Ser Leu Gln Pro Leu Pro  
20 25 30  
Pro Gly Phe Lys Arg Phe Ser Cys Leu Gly Leu Pro Asn Xaa Trp Asp  
35 40 45  
Tyr Arg His Ala Pro Pro His Pro  
50 55

<210> 6491

<211> 168

<212> PRT

<213> Homo sapiens

<400> 6491

Met Glu Ala Gly Glu Lys Ala Gly Arg Ser Arg Val Arg His Gly Val  
1 5 10 15  
Ile Arg Met Gly Trp Glu Val Ala Gly Ile Gln Thr Gly Thr Thr Asp  
20 25 30  
Ser Gly Val Pro His Gln Val Pro Gln Lys Lys Leu Ala Gln Glu Val  
35 40 45  
Ala Glu Ser Pro Pro Thr Pro Leu  
50 55

<210> 6492

<211> 177

<212> PRT

<213> Homo sapiens

<400> 6492

Met Gln Lys Leu Glu Met Glu Gln Val Trp Arg Ala Ser Thr Ser Leu  
1 5 10 15  
Lys Pro Pro Thr Ala Asp Leu Phe Thr Gly Arg Gly Leu Gly Val Leu  
20 25 30

Pro Asn Gly Tyr Asn Pro Pro Arg Asn Leu Cys Trp Asp Val Leu Cys  
 35 40 45  
 Val Asp Gln Pro Val Val Glu Asp Pro Arg Ser  
 50 55

<210> 6493  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 6493  
 Met Gln Lys Asn Gly Asn His Asn Ser Leu Leu Asp His Ser Ala Val  
 1 5 10 15  
 Lys Leu Glu Leu Arg Ile Lys Lys Leu Thr Gln Asn Arg Thr Thr Thr  
 20 25 30  
 Trp Lys Leu Asn Leu Phe Leu Asn Asp Tyr Trp Val Asn Asn Glu Met  
 35 40 45  
 Lys Gly Lys Ile Lys Lys Phe Phe Glu Thr Asn Asp Asn  
 50 55 60

<210> 6494  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 6494  
 Met Gln Leu Leu Glu Ile Pro Trp Tyr Gln Pro Lys Leu Ser Met Asn  
 1 5 10 15  
 Gln Lys Ser Thr Leu Arg Asn Val Leu Lys Phe Lys Val Tyr Arg Lys  
 20 25 30  
 His His Thr Leu Cys Leu Arg Met Gln Lys Asn His Lys Glu Arg Lys  
 35 40 45  
 Leu Ala Trp His Gly Gly Ser Cys  
 50 55

<210> 6495  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 6495  
 Met Val Glu Lys Gln Glu Ser Glu Asn Ser Cys Asn Lys Glu Glu Glu  
 1 5 10 15  
 Xaa Val Phe Thr Arg Gln Asp Ser Asn Arg Ser Glu Lys Glu Ala Thr  
 20 25 30  
 Pro Val Val His Glu Thr Glu Pro Glu Ser Gly Ser Gln Pro Arg Pro  
 35 40 45  
 Ala Val Leu Ser Gly Tyr Phe Lys Gln Phe Gln Lys Ser  
 50 55 60

<210> 6496  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens



<400> 6496

Met Ile Gly His Ala Val Trp Ala Trp Arg Val Arg Ala Arg Asn Val  
1 5 10 15  
Pro Leu Ile Thr Thr Val Cys Val Ser Ser Gln Thr Ala Gln Ile Lys  
20 25 30  
Pro Ser Glu Trp Lys Val Thr Ile Ser Gly Ser Phe Gln Val Ala Gly  
35 40 45  
Val Ser Gly Asn Leu Ala Pro Gly Asn Gln Pro Glu Lys Glu Gly Arg  
50 55 60  
Ala His Gln Cys Leu Glu Cys Asp Arg Ala Phe Ser Ser Ala Ala Gln  
65 70 75 80

<210> 6497

<211> 228

<212> PRT

<213> Homo sapiens

<400> 6497

Met Glu Trp Lys Glu Trp Asn Gln His Glu Trp Asn Asp Met Asp Trp  
1 5 10 15  
Asn Gly Met Glu Trp Asn Gln Pro Xaa Tyr Arg Gly Met Glu Trp Asn  
20 25 30  
Ala Met Asp Trp Asn Gly Val Gly Trp Asn Gly Met Glu Trp Asn Gly  
35 40 45  
Ile Asn Ser Xaa Gly Met Glu Trp Asn Gly Met Glu Trp Asn Gly Ile  
50 55 60  
Asn Pro Asn Arg Met Glu Trp Asn Gly Met Glu Arg  
65 70 75

<210> 6498

<211> 183

<212> PRT

<213> Homo sapiens

<400> 6498

Met Ala Asp Leu Ser Ser Phe Glu Glu Thr Ser Ala Asp Asp Phe Ala  
1 5 10 15  
Met Glu Met Gly Leu Ala Cys Val Val Cys Arg Gln Met Met Val Ala  
20 25 30  
Ser Gly Asn Gln Leu Val Glu Cys Gln Glu Cys His Asn Leu Tyr His  
35 40 45  
Arg Asp Cys His Lys Pro Gln Val Thr Asp Lys Glu Ala  
50 55 60

<210> 6499

<211> 165

<212> PRT

<213> Homo sapiens

<400> 6499

Met Ala Leu Arg Asp Ser Ser Pro Leu Lys Lys Lys His Leu Ser Gln  
1 5 10 15  
Asp Phe Ile His Ser Thr Glu Leu Phe Lys Leu Asp Met Gly Lys Leu

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20                      25                      30  
 Lys Phe Arg Glu Arg Gly Ile Lys Asn Tyr Phe Gln Ile Ser Gly Met  
      35                      40                      45  
 Ser Asn Trp Val Asp Lys Gly  
      50                      55

<210> 6500  
 <211> 228  
 <212> PRT  
 <213> Homo sapiens

<400> 6500  
 Met Gly Arg Gly Pro Pro Ser Ala Arg Asp Leu Cys Pro Arg Gly Leu  
 1                      5                      10                      15  
 Thr Pro Pro Cys Ala Thr Ser Ser Ser Arg Glu Glu Ala Pro Ser Asp  
      20                      25                      30  
 Lys Leu Val Ser Glu Val Glu Glu Leu Asn Met Ser Ile Thr Ala Leu  
      35                      40                      45  
 Trp Glu Lys Leu Leu Glu Gly Glu Gln Ser Leu Cys Asn Leu Glu Asp  
      50                      55                      60  
 Ile His Met Ser Leu Glu Lys Asp Val Thr Ala Ile  
 65                      70                      75

<210> 6501  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6501  
 Met Ala Arg Gly Gly Val Ser Ala Arg Val Leu Leu Gln Ala Ala Arg  
 1                      5                      10                      15  
 Gly Thr Trp Trp Asn Arg Pro Gly Gly Thr Ser Gly Ser Gly Glu Xaa  
      20                      25                      30  
 Val Ala Leu Gly Thr Asn Gln Xaa Val Ser Ser Asp Arg Leu Ala Pro  
      35                      40                      45  
 Gly Gly Arg Gly  
      50

<210> 6502  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6502  
 Met Tyr Leu Val Cys Thr Thr Cys Thr Trp Cys Val Phe Ser Glu Met  
 1                      5                      10                      15  
 Phe Val His Gly Leu Asn Ile Thr Gln Leu Val Leu Ser Gln Leu Asp  
      20                      25                      30  
 Tyr Phe Phe His Ser Asn Leu Thr Asn Leu Val Leu Tyr Phe Leu Val  
      35                      40                      45  
 His Leu Leu Phe Ser Leu Ser Leu Phe Met Pro Leu  
      50                      55                      60

<210> 6503

<211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 6503  
 Met Xaa Asp Lys Gln Asp Glu Glu Gln Arg Leu Lys Glu Glu Glu Glu  
 1 5 10 15  
 Asp Lys Lys Arg Lys Glu Glu Glu Glu Ala Xaa Xaa Lys Glu Xaa Asp  
 20 25 30  
 Glu Xaa Lys Xaa Glu Xaa Xaa Glu Xaa Glu Glu Xaa Lys Glu Glu Xaa  
 35 40 45  
 Glu Xaa Glu Asp Val Pro Ala Arg Pro  
 50 55

<210> 6504  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 6504  
 Met Gln Arg Asn Gly Met Glu Trp Asn Gly Val Glu Trp Asn Gly Met  
 1 5 10 15  
 Glu Cys Lys Gly Met Glu Ser Thr Arg Val Glu Trp His Gly Met Glu  
 20 25 30  
 Cys Asn Gly Met Glu Trp Asn Gly Ile Asn Ser Ser Arg Lys Glu Trp  
 35 40 45  
 Asn Gly Met Glu Arg Asn Gly Met Lys Ser Thr Arg Val Glu Trp Asn  
 50 55 60  
 Gly Met Asp Trp Asn  
 65

<210> 6505  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 6505  
 Met Ser Ala Ser Ala Val Tyr Val Leu Asp Leu Lys Gly Lys Val Leu  
 1 5 10 15  
 Ile Cys Arg Asn Tyr Arg Gly Asp Val Asp Met Ser Xaa Val Glu His  
 20 25 30  
 Phe Met Pro Ile Leu Met Xaa Lys Glu Glu Glu Gly Met Leu Xaa Pro  
 35 40 45  
 Ile Pro Ala  
 50

<210> 6506  
 <211> 228  
 <212> PRT  
 <213> Homo sapiens

<400> 6506  
 Met Glu Trp Lys Glu Trp Asn Gln His Glu Trp Asn Asp Met Asp Trp  
 1 5 10 15

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Asn Gly Met Glu Trp Asn Gln Pro Glu Tyr Arg Gly Met Glu Trp Asn  
 20 25 30  
 Ala Met Asp Trp Asn Gly Val Gly Trp Asn Gly Met Glu Trp Asn Gly  
 35 40 45  
 Ile Asn Ser Ile Gly Met Glu Trp Asn Gly Met Glu Trp Asn Gly Ile  
 50 55 60  
 Asn Pro Asn Arg Met Glu Trp Asn Gly Met Glu Arg  
 65 70 75

<210> 6507

<211> 423

<212> PRT

<213> Homo sapiens

<400> 6507

Met Asp Glu Thr Val Ala Glu Phe Ile Lys Arg Thr Ile Leu Lys Ile  
 1 5 10 15  
 Pro Met Asn Glu Leu Thr Thr Ile Leu Lys Ala Trp Asp Phe Leu Ser  
 20 25 30  
 Glu Asn Gln Leu Gln Thr Val Asn Phe Arg Gln Arg Lys Glu Ser Val  
 35 40 45  
 Val Gln His Leu Ile His Leu Cys Glu Glu Lys Arg Ala Ser Ile Ser  
 50 55 60  
 Asp Ala Ala Leu Leu Asp Ile Ile Tyr Met Gln Phe His Gln His Gln  
 65 70 75 80  
 Lys Val Trp Asp Val Phe Gln Met Ser Lys Gly Pro Gly Glu Asp Val  
 85 90 95  
 Asp Leu Phe Asp Met Xaa Gln Phe Lys Asn Ser Phe Lys Lys Ile Leu  
 100 105 110  
 Gln Arg Ala Leu Lys Asn Val Thr Val Ser Phe Arg Xaa Thr Xaa Glu  
 115 120 125  
 Asn Ala Val Trp Ile Arg Ile Ala Trp Gly Thr Gln Tyr  
 130 135 140

<210> 6508

<211> 195

<212> PRT

<213> Homo sapiens

<400> 6508

Met Gly Glu Glu Val Ile Pro Leu Arg Val Leu Ser Lys Ser Glu Trp  
 1 5 10 15  
 Met Asp Leu Lys Lys Glu Tyr Leu Ala Leu Gln Lys Ala Ser Met Ala  
 20 25 30  
 Ser Leu Lys Lys Thr Ile Ser Gln Ile Lys Ser Glu Ser Glu Met Glu  
 35 40 45  
 Thr Asp Ser Gly Val Pro Gln Asn Thr Gly Met Lys Asn Glu Lys Thr  
 50 55 60  
 Ala  
 65

<210> 6509

<211> 183

<212> PRT

<213> Homo sapiens

<400> 6509

Met Ser Gly His Ser Pro Thr Arg Gly Ala Met Gln Val Ala Met Asn  
1 5 10 15  
Gly Lys Ala Arg Lys Glu Ala Val Gln Thr Ala Ala Lys Glu Leu Leu  
20 25 30  
Lys Phe Val Asn Arg Ser Pro Ser Pro Phe His Ala Val Ala Glu Cys  
35 40 45  
Arg His Arg Leu Leu Gln Ala Gly Phe Ser Glu Leu Lys  
50 55 60

<210> 6510

<211> 273

<212> PRT

<213> Homo sapiens

<400> 6510

Met Ala Ser Gly Gln Phe Val Asn Lys Leu Gln Glu Glu Val Ile Cys  
1 5 10 15  
Pro Ile Cys Leu Asp Ile Leu Gln Lys Pro Val Thr Ile Asp Cys Gly  
20 25 30  
His Asn Phe Cys Leu Lys Cys Ile Thr Gln Ile Gly Glu Thr Ser Cys  
35 40 45  
Gly Phe Phe Lys Cys Pro Leu Cys Lys Thr Ser Val Arg Lys Asn Ala  
50 55 60  
Ile Arg Phe Asn Ser Leu Leu Arg Asn Leu Val Glu Lys Ile Gln Ala  
65 70 75 80  
Leu Gln Ala Ser Glu Val Gln Ser Lys Arg Lys  
85 90

<210> 6511

<211> 180

<212> PRT

<213> Homo sapiens

<400> 6511

Met Gln Trp Gly Met Trp Asp Glu Glu Val Gly Lys Gly Thr Gly Ala  
1 5 10 15  
Glu Arg Cys Arg Ser Ile Glu Thr Ala Arg Arg Asp Gly Glu Arg Pro  
20 25 30  
Glu Thr Gln Gly Gln Arg Glu Thr Lys Asp Arg Arg Glu Glu Glu Arg  
35 40 45  
Glu Arg Gln Arg Asp Arg Leu Thr Asp Trp Glu Glu  
50 55 60

<210> 6512

<211> 165

<212> PRT

<213> Homo sapiens

<400> 6512

Met Ser Gly Glu Glu Asn Pro Ala Ser Lys Pro Thr Pro Val Gln Asp  
1 5 10 15

Val Gln Gly Asp Gly Arg Trp Met Ser Leu His His Arg Phe Val Ala  
 20 25 30  
 Asp Ser Lys Asp Lys Glu Pro Glu Val Val Phe Ile Gly Asp Ser Leu  
 35 40 45  
 Val Gln Leu Met His Gln Cys  
 50 55

<210> 6513  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 6513  
 Met Glu Leu Gly Glu Ala Ala Ser Ile Leu Asp Val Trp Asn Pro Phe  
 1 5 10 15  
 Ser Phe Val Leu Glu Trp Pro Thr Ile Leu Thr Gly Lys Gln Trp Ser  
 20 25 30  
 Ala Val Lys Gly Gln Leu Ser Ala Ala Pro Val Val Ser Ala Leu Pro  
 35 40 45  
 Leu Cys Val Ile Gln Val Val His Ile Val Phe Leu Leu Thr Ser Arg  
 50 55 60  
 Asn Lys Ser Val Ser  
 65

<210> 6514  
 <211> 324  
 <212> PRT  
 <213> Homo sapiens

<400> 6514  
 Met Val Leu Ala Ser Leu Glu Leu Leu Arg Glu Gln Trp Ile Arg Ala  
 1 5 10 15  
 Lys Tyr Glu Arg Gln Glu Xaa Ile Tyr Pro Glu Lys Gln Glu Pro Tyr  
 20 25 30  
 Ser Ala Gly Tyr Arg Glu Gly Phe Leu Trp Lys Arg Gly Arg Asp Asn  
 35 40 45  
 Gly Gln Phe Leu Ser Arg Lys Phe Val Leu Thr Glu Arg Glu Gly Ala  
 50 55 60  
 Leu Lys Tyr Phe Asn Arg Asn Asp Ala Lys Glu Pro Lys Ala Val Met  
 65 70 75 80  
 Lys Ile Glu His Leu Asn Ala Thr Phe Gln Pro Ala Lys Ile Gly His  
 85 90 95  
 Pro His Gly Leu Gln Val Thr Tyr Leu Lys Asp Asn  
 100 105

<210> 6515  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 6515  
 Met Asp Cys Leu Glu Val His Cys Leu Val Ser Lys Tyr Phe Pro Lys  
 1 5 10 15  
 Ser Pro Ser Val Phe Ser Lys Cys Val Phe Ser Lys Phe Ser Pro Val

20 25 30  
 Phe Ser Ile Phe Asn Phe Ile Val Ile Gly Glu His Thr Val Tyr Asp  
 35 40 45  
 Phe Ser Cys Leu Lys Cys Ile Glu Thr Cys Phe Gln Pro Ser Pro  
 50 55 60

<210> 6516  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 6516  
 Met Val Xaa Ala Gly Cys Phe Cys Leu Thr Ser Leu His Ser His Phe  
 1 5 10 15  
 Arg Phe Cys Leu Asp Met Thr Asn Val Asp Leu Glu Leu Leu Gly Pro  
 20 25 30  
 Ser Gly Gln Lys Gly Cys Xaa Gly Met Lys Xaa Xaa Arg Trp Lys Lys  
 35 40 45  
 Arg Lys Arg Gly Arg Arg Leu Gly Ser  
 50 55

<210> 6517  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 6517  
 Met Ser Gly His Gly Lys Gly Gly Lys Gly Leu Gly Lys Gly Gly Ala  
 1 5 10 15  
 Lys Arg His Arg Lys Val Leu Arg Asp Asn Ile Gln Gly Ile Thr Lys  
 20 25 30  
 Pro Ala Ile Arg Xaa Leu Ala Arg Arg Gly Gly Xaa Lys Arg Ile Ser  
 35 40 45  
 Gly Leu Ile Tyr Glu Glu Thr Arg Gly Val Leu Lys Val Phe Leu Glu  
 50 55 60  
 Asn Val Ile Arg Asp Ala Val Thr Thr  
 65 70

<210> 6518  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 6518  
 Met Cys Tyr Leu Pro Asp Pro Val Val Ser Ser Leu Glu His Arg Gln  
 1 5 10 15  
 Ser Arg Phe Ser Ile Val Val Leu Phe Cys Phe Leu Arg Gln Gly Xaa  
 20 25 30  
 Ile Leu Ser Pro Arg Leu Gly Cys Trp Ser Ala Val Val Gln Pro Leu  
 35 40 45  
 Pro Pro Val Phe Lys Arg Phe Ser Cys Leu Ser His Leu Ser Ser Gly  
 50 55 60  
 Asp Thr Gly Val His Thr Thr Pro Gly  
 65 70

<210> 6519  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 6519  
 Met Cys Arg Cys Gln Ser Leu Lys Ile Arg Cys Val Leu Phe Lys Gly  
 1 5 10 15  
 Met Cys Asp Lys Pro Ala Val Leu Thr Arg Pro Gly Thr Ser Leu Thr  
 20 25 30  
 Val His Tyr Thr Ser Val Met Ser Gly Ser Val Ser Leu Val Glu Ile  
 35 40 45  
 Asn Val Glu Ile Tyr Leu Asn Tyr Ser Tyr Leu Thr Ser Pro Leu Phe  
 50 55 60  
 Leu Glu Phe Gly Glu Ala  
 65 70

<210> 6520  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 6520  
 Met Ala Val Ser Gly Phe Thr Leu Gly Thr Cys Ile Leu Leu Leu His  
 1 5 10 15  
 Ile Ser Tyr Val Ala Asn Tyr Pro Asn Gly Lys Val Thr Gln Ser Cys  
 20 25 30  
 His Gly Met Ile Pro Glu His Gly His Ser Pro Gln Ser Val Pro Val  
 35 40 45  
 His Asp Ile Tyr Val Ser Gln Met Thr Phe Arg Pro Gly Asp Gln Ile  
 50 55 60  
 Glu Gly Thr Val Leu Gly  
 65 70

<210> 6521  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 6521  
 Met Met Met His Ser Leu Gln Arg Gly Thr Phe Lys Thr Gln Asn Thr  
 1 5 10 15  
 Arg Ser Arg Leu Gln Leu Arg Xaa Ser Xaa Ala Lys Leu Xaa Gly Leu  
 20 25 30  
 Arg Glu Asp Glu Glu Pro Pro Leu Arg Glu Glu Ala Ala Ala Ala  
 35 40 45  
 Ala Ala Xaa Ala Ala Ala Xaa Pro  
 50 55

<210> 6522  
 <211> 234  
 <212> PRT  
 <213> Homo sapiens



<400> 6522

Met Asp Phe Leu Arg Leu Tyr Leu Pro Gly Leu His Gln Ala Leu Arg  
1 5 10 15  
Gly Ala Leu Asp Ser Leu Gly Thr Phe Val Ser Tyr Leu Leu Gly Asp  
20 25 30  
Ala Val Pro Thr Val Glu Arg Glu Ala Gln Ala Ala Glu Glu Leu Gly  
35 40 45  
Val Val Ala Val Gly Lys Thr Gly Lys Ile Val Glu Glu Glu Ala Gln  
50 55 60  
Glu Asp Leu Glu Gly Leu Arg Gly Ser Xaa Asn Glu Gly Gly  
65 70 75

<210> 6523

<211> 246

<212> PRT

<213> Homo sapiens

<400> 6523

Met Ile Asp Pro Asp Phe Ala Asp Lys Pro Lys Leu Pro Glu Asn Tyr  
1 5 10 15  
Thr Asp Glu Thr Trp Gln Lys Leu Lys Glu Ala Val Glu Ala Ile Gln  
20 25 30  
Asn Ser Thr Ser Ile Lys Tyr Asn Leu Glu Glu Leu Tyr Gln Ala Val  
35 40 45  
Glu Asn Leu Cys Ser Tyr Lys Ile Ser Ala Asn Leu Tyr Lys Gln Leu  
50 55 60  
Arg Gln Ile Cys Glu Asp His Ile Lys Ala Gln Ile His Gln Phe Arg  
65 70 75 80  
Glu Asp

<210> 6524

<211> 186

<212> PRT

<213> Homo sapiens

<400> 6524

Met Glu His Phe Leu Leu Glu Val Ala Ala Ala Pro Leu Arg Leu Ile  
1 5 10 15  
Ala Ala Lys Asn Glu Lys Ser Arg Ser Glu Leu Gly Arg Phe Leu Ala  
20 25 30  
Lys Gln Val Arg Arg Glu Gly Arg Gly Lys Ala Pro Glu Arg Leu Gly  
35 40 45  
Arg Pro Thr Ser Lys Leu Pro Ala Leu Pro Arg Arg Tyr Pro  
50 55 60

<210> 6525

<211> 177

<212> PRT

<213> Homo sapiens

<400> 6525

Met Glu Thr Leu Leu Gln Asn His Gln Leu Arg Asp His Asn Ile Arg  
1 5 10 15

Pro Gly Glu Ser Ala Ile Val Lys Lys Lys Ala Glu Leu Ile Lys Gly  
                   20                  25                  30  
 Asn Tyr Lys Cys Asn Val Cys Ser Arg Thr Phe Phe Ser Glu Asn Gly  
           35                  40                  45  
 Leu Arg Glu His Met Gln Thr His Leu Gly Pro  
       50                  55

<210> 6526  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 6526  
 Met Arg Glu Asp Leu Phe Lys Gln Tyr Ile Glu Lys Ile Ala Lys Asn  
 1                  5                  10                  15  
 Leu Asp Ser Glu Lys Glu Lys Glu Leu Glu Arg Gln Ala Arg Ile Glu  
           20                  25                  30  
 Ala Ser Leu Arg Glu Arg Glu Arg Glu Val Gln Lys Ala Arg Ser Glu  
           35                  40                  45  
 Gln Thr Lys Glu Ile Asp Arg Glu Arg Glu Arg  
       50                  55

<210> 6527  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 6527  
 Met Ala Ala Gly Phe Gly Arg Cys Cys Arg Val Leu Arg Ser Ile Ser  
 1                  5                  10                  15  
 Arg Phe His Trp Arg Ser Gln His Thr Lys Ala Asn Arg Gln Arg Glu  
           20                  25                  30  
 Pro Gly Leu Gly Phe Ser Phe Glu Phe Thr Glu Gln Gln Lys Glu Phe  
           35                  40                  45  
 Gln Ala Thr Ala Arg Lys Phe Ala Arg  
       50                  55

<210> 6528  
 <211> 222  
 <212> PRT  
 <213> Homo sapiens

<400> 6528  
 Met Ala Leu Gln Pro Ser Trp Asn Val Arg Ile Xaa Xaa Ser Ser Leu  
 1                  5                  10                  15  
 Ser Phe Asn Met Trp Lys Glu Ile Pro Ile Pro Phe Tyr Leu Ser Val  
           20                  25                  30  
 Tyr Phe Phe Asp Val Met Asn Pro Ser Glu Ile Leu Lys Gly Glu Lys  
           35                  40                  45  
 Pro Gln Cys Gly Ser Ala Gly Pro Thr Cys Thr Gly Ser Ser Gly Thr  
       50                  55                  60  
 Lys Ala Thr Ser Pro Ser Thr Thr Thr Thr  
       65                  70

<210> 6529  
 <211> 336  
 <212> PRT  
 <213> Homo sapiens

<400> 6529  
 Met Gln Trp Pro Arg Gly Thr Gly Ile Gly Gly Ala Gly Arg Pro Thr  
 1 5 10 15  
 Arg Val Trp Glu Gln Pro Arg Gln Trp Met Gly Leu Ser Pro Val Asp  
 20 25 30  
 Val Ala Thr Ala Leu Pro Leu Gln Val Ala Pro Ser Ala Val Pro Met  
 35 40 45  
 Asp Leu Arg Leu Asp His Gln Phe Ser Leu Pro Val Ala Glu Pro Ala  
 50 55 60  
 Leu Arg Glu Gln Gln Leu Gln Gln Glu Leu Leu Ala Leu Lys Gln Lys  
 65 70 75 80  
 Gln Gln Ile Gln Arg Gln Ile Leu Ile Ala Glu Phe Gln Arg Gln His  
 85 90 95  
 Glu Gln Leu Ser Arg Gln His Glu Ala Gln Ser Thr Ser Thr Ser Ser  
 100 105 110

<210> 6530  
 <211> 348  
 <212> PRT  
 <213> Homo sapiens

<400> 6530  
 Met Glu Leu Ala Thr Arg Tyr Gln Ile Pro Lys Glu Val Ala Asp Ile  
 1 5 10 15  
 Phe Asn Ala Pro Ser Asp Asp Glu Glu Phe Val Gly Phe Arg Asp Asp  
 20 25 30  
 Val Pro Met Glu Thr Leu Ser Ser Glu Glu Ser Cys Asp Ser Phe Asp  
 35 40 45  
 Ser Leu Glu Ser Gly Lys Gln Asp Val Arg Phe His Ser Lys Tyr Phe  
 50 55 60  
 Thr Glu Glu Leu Arg Arg Ile Phe Ile Glu Asp Thr Asp Ser Glu Thr  
 65 70 75 80  
 Glu Asp Phe Ala Gly Phe Thr Gln Ser Asp Leu Asn Gly Lys Thr Asn  
 85 90 95  
 Pro Glu Val Met Val Val Glu Ser Asp Leu Ser Asp Asp Gly Lys Ala  
 100 105 110  
 Ser Leu Val Ser  
 115

<210> 6531  
 <211> 216  
 <212> PRT  
 <213> Homo sapiens

<400> 6531  
 Met Pro Leu Glu Met Glu Pro Lys Met Ser Lys Leu Ala Phe Gly Cys  
 1 5 10 15  
 Gln Arg Ser Ser Thr Ser Asp Asp Asp Ser Gly Cys Ala Leu Glu Glu  
 20 25 30

Tyr Ala Trp Val Pro Pro Gly Leu Arg Pro Glu Gln Ile Gln Leu Tyr  
 35 40 45  
 Phe Ala Cys Leu Pro Glu Xaa Lys Val Pro Tyr Val Asn Ser Pro Gly  
 50 55 60  
 Glu Lys His Arg Ile Lys Gln Leu  
 65 70

<210> 6532  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6532  
 Met Gly Lys Asp Phe Met Ser Lys Thr Pro Lys Ala Met Ala Thr Lys  
 1 5 10 15  
 Asp Lys Ile Asp Lys Trp Asp Leu Ile Lys Leu Lys Ser Phe Cys Thr  
 20 25 30  
 Ala Lys Glu Thr Thr Ile Arg Val Asn Arg Gln Pro Thr Lys Trp Glu  
 35 40 45  
 Xaa Ile Phe Ala Thr Tyr Ser Ser Asp Lys Gly Pro  
 50 55 60

<210> 6533  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens

<400> 6533  
 Met His Lys Thr Gly Asp Glu Thr Glu Leu His Ser Ser Glu Lys Gly  
 1 5 10 15  
 Leu Lys Val Glu Glu Asn Ile Gln Lys Gln Ser Gln Gln Thr Lys Leu  
 20 25 30  
 Ser Ser Asp Asp Lys Thr Glu Arg Lys Ser Lys His Arg Asn Glu Arg  
 35 40 45  
 Lys Leu Ser Val Leu Gly Lys Asp Gly Lys Pro Val Ser Glu Tyr Ile  
 50 55 60  
 Ile Lys Thr Asp Glu Asn Val Arg Lys Glu Asn Asn Lys Lys Glu Arg  
 65 70 75 80

<210> 6534  
 <211> 276  
 <212> PRT  
 <213> Homo sapiens

<400> 6534  
 Met Glu Ala Lys Ser Gln Ala Glu Glu Gly Ala Ser Gly Lys Ala Glu  
 1 5 10 15  
 Lys Lys Thr Ser Gly Glu Thr Lys Asn Gln Val Asn Gly Thr Arg Ala  
 20 25 30  
 Asn Lys Ser Asp Asn Pro Arg Gly Lys Asn Ser Lys Ala Glu Lys Ser  
 35 40 45  
 Ser Gly Glu Gln Gln Gln Asn Gly Asp Phe Lys Asp Gly Lys Asn Lys  
 50 55 60  
 Thr Asp Lys Lys Asp His Ser Asn Ile Gly Asn Asp Ser Lys Lys Thr

65                      70                      75                      80  
 Asp Gly Thr Lys Gln Arg Ser His Gly Ser Pro Ala  
                     85                      90

<210> 6535  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 6535  
 Met Ala Glu Gln Arg Thr Glu Ser Thr Pro Ile Thr Ala Val Xaa Gln  
 1                      5                      10                      15  
 Pro Glu Lys Val Ala Ala Thr Arg Gln Glu Ile Phe Gln Glu Gln Leu  
                     20                      25                      30  
 Ala Ala Val Pro Glu Phe Arg Gly Leu Gly Pro Leu Phe Lys Ser Ser  
                     35                      40                      45  
 Pro Glu Pro Val Xaa Leu Thr Glu Ser Glu Thr Glu Xaa  
                     50                      55                      60

<210> 6536  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6536  
 Met Lys Lys Lys Arg Lys Glu Lys Lys Arg Lys Lys Glu Gly Lys Lys  
 1                      5                      10                      15  
 Glu Arg Lys Lys Glu Arg Lys Lys Glu Arg Lys Lys Glu Arg Arg Lys  
                     20                      25                      30  
 Glu Gly Arg Lys Glu Gly Arg Lys Glu Gly Arg Xaa Xaa Gly Arg Lys  
                     35                      40                      45  
 Glu Arg Lys Arg  
                     50

<210> 6537  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 6537  
 Met Glu Val Ala Val Ser Gln Asp Cys Ala Met Pro Leu Gln Pro Gly  
 1                      5                      10                      15  
 Gly Gln Glu Gly Asp Phe Thr Ser Lys Asp Arg Gln Xaa Gly Xaa Tyr  
                     20                      25                      30  
 Val Phe His Xaa Phe Xaa Phe Tyr Ser Leu Pro Pro Pro Xaa Thr His  
                     35                      40                      45  
 Thr His Thr  
                     50

<210> 6538  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 6538

Met Met Thr Gly Ser Asn Leu His Ile Ser Ile Gln Ala Leu Asn Ile  
1 5 10 15  
Asn Glu Leu Asn Val Pro Ile Ile Lys His Thr Val Val Ser Trp Ile  
20 25 30  
Arg Asn Gln Asp Pro Leu Ala Cys Cys Leu Gln Glu Thr Ser His Met  
35 40 45  
Gln Arg His  
50

<210> 6539

<211> 273

<212> PRT

<213> Homo sapiens

<400> 6539

Met Glu Val Gly Ser Glu Glu Glu Lys Trp Glu Lys Leu Asp Ala Glu  
1 5 10 15  
Phe Asp His Phe Val Val Asp Met Lys Pro Phe Val Leu Lys Leu Pro  
20 25 30  
His Arg Thr Glu Arg Gln Xaa Cys Ala Leu Trp Ile Arg Lys Leu Cys  
35 40 45  
Glu Pro Ser Gly Thr Gly Ala Gly Ile Met Gly Arg Lys Asn Arg Asn  
50 55 60  
Leu Tyr Ala Lys Leu Leu His Met Leu Lys Arg Gly Ala Leu Glu  
65 70 75 80  
Gly Pro Phe Thr His Arg Pro Glu Pro Gly Xaa  
85 90

<210> 6540

<211> 153

<212> PRT

<213> Homo sapiens

<400> 6540

Met Asp Ser Pro Trp Asp Glu Leu Ala Leu Ala Phe Ser Arg Thr Ser  
1 5 10 15  
Met Xaa Pro Phe Phe Asp Ile Ala His Tyr Leu Val Ser Val Met Ala  
20 25 30  
Val Lys Arg Gln Xaa Gly Ala Ala Ala Leu Ala Trp Lys Asn Pro Ile  
35 40 45  
Ser Ser Trp  
50

<210> 6541

<211> 162

<212> PRT

<213> Homo sapiens

<400> 6541

Met Ile Ile His Cys Asp Phe Asn Leu His Phe His Asp Asp Ser Asp  
1 5 10 15  
Val Asp Gln Phe Phe Thr Tyr Leu Leu Val Ile Ser Met Ser Ser Phe  
20 25 30

Glu Lys Cys Leu Phe Arg Ser Phe Ala His Cys Ile Ile Arg Leu Leu  
 35 40 45  
 Leu Leu Leu Phe Cys Phe  
 50

<210> 6542  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 6542  
 Met Glu Trp Asn Gly Ile Asn Ser Ile Thr Phe Glu Trp Asn Gly Met  
 1 5 10 15  
 Glu Leu Lys Arg Ile Glu Trp Asn Gly Met Glu Trp Asn Gly Thr Glu  
 20 25 30  
 Trp Asn Gly Met Glu Trp Asn Gly Met Glu Trp Asn Gly Thr Glu Arg  
 35 40 45  
 Asn Gly Val  
 50

<210> 6543  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 6543  
 Met Val Val Val Met Asp Leu Val Val Glu Val Val Asp Met Val Ala  
 1 5 10 15  
 Glu Gly Ser Lys Asn Ser Arg Lys Gly Leu Asn Glu Asn Pro Thr Cys  
 20 25 30  
 Leu Asn Glu Glu Cys Leu Ser Tyr His Leu Lys Tyr Glu Gly Phe Trp  
 35 40 45  
 Pro Gly Thr  
 50

<210> 6544  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 6544  
 Met Leu Ala Arg Xaa Val Ser Ile Ser Cys Ile Pro Leu Leu Ser Ser  
 1 5 10 15  
 Pro Ser Ser Gly Pro Ser Ser Pro Ala Asp Val Ala Leu Ser Ala Arg  
 20 25 30  
 Cys Leu Gly Thr Tyr Ser Thr Leu Leu Thr Gly Leu Arg Pro His Gln  
 35 40 45  
 Pro Cys Leu Glu Leu Ala Pro Pro Val Ile Thr Pro Ala Arg Leu  
 50 55 60  
 Gln Met Ser  
 65

<210> 6545  
 <211> 153

<212> PRT  
<213> Homo sapiens

<400> 6545

Met Phe Val Ile Leu Cys Gly His Lys Ile Pro Tyr Glu Lys Phe Val  
1 5 10 15  
Phe Lys Arg Leu Arg Asn Trp Gln Pro Phe Pro Lys Trp Leu Tyr Ile  
20 25 30  
Leu His Phe His Gly Gln Trp Leu Arg Val Pro Val Leu Pro His Pro  
35 40 45  
Cys Gln His  
50

<210> 6546

<211> 153

<212> PRT

<213> Homo sapiens

<400> 6546

Met Glu Arg Met Glu Ser Thr Arg Val Glu Gly His Gly Leu Glu Cys  
1 5 10 15  
Asn Gly Met Glu Ser Thr Arg Val Gln Gly Asn Gly Met Gly Met Glu  
20 25 30  
Cys Asn Gly Met Glu Ser Ser Val Met Glu Trp Lys Gly Met Glu Trp  
35 40 45  
Asn Gly Met  
50

<210> 6547

<211> 240

<212> PRT

<213> Homo sapiens

<400> 6547

Met Asp Phe Asn Glu Asp Gly Phe Leu Gln Gly Phe Lys Gly Gln Leu  
1 5 10 15  
Ile His Thr Tyr Asn Lys Asn Ser Ser Val Cys Glu Asn Cys Gly Tyr  
20 25 30  
Phe Gln Gln Leu Glu Gly Lys Thr Asn Val Ile Leu Leu Gly Asp Ser  
35 40 45  
Ile Gly Asp Leu Thr Met Ala Asp Gly Val Pro Gly Val Gln Asn Ile  
50 55 60  
Leu Lys Ile Gly Phe Leu Asn Asp Lys Val Glu Glu Arg Arg Glu Thr  
65 70 75 80

<210> 6548

<211> 156

<212> PRT

<213> Homo sapiens

<400> 6548

Met Thr Xaa Ser Leu His Tyr Asp Leu Pro Ile Gly Val Phe Gln Arg  
1 5 10 15  
Leu Gln Ala Ala Met Gln Ala Ala Leu Pro Leu Gly Pro Tyr Asp Pro



20                      25                      30  
 Val Tyr Pro Met Val Phe Glu Val Ser Val Ala Asp Arg Asp Ala Val  
       35                      40                      45  
 Xaa Ser Leu Trp  
       50

<210> 6549  
 <211> 312  
 <212> PRT  
 <213> Homo sapiens

<400> 6549  
 Met Ser Pro Leu Glu Pro Gly Asp Pro Ser Gln Ala Pro Pro Asn Ser  
 1                      5                      10                      15  
 Glu Glu Gly Leu Arg Glu Pro Pro Gly Thr Ser Arg Pro Ser Leu Thr  
       20                      25                      30  
 Ser Gly Thr Thr Pro Ser Glu Met Tyr Leu Pro Val Arg Phe Ser Ser  
       35                      40                      45  
 Glu Ser Thr Arg Ser Tyr Arg Arg Gly Xaa Arg Xaa Leu Lys Met Val  
       50                      55                      60  
 Pro Gln Pro Gly Ser Leu Cys Pro Glu Gly Thr Cys Arg Leu Ala Ser  
 65                      70                      75                      80  
 Leu Lys Glu Met Ala Gln Gly Leu Gly Val Ser Gln Gln Val Leu Cys  
       85                      90                      95  
 Thr Phe Ala Arg Leu Ala Pro Cys  
       100

<210> 6550  
 <211> 255  
 <212> PRT  
 <213> Homo sapiens

<400> 6550  
 Met Ala Trp Ser Gln Leu Ala Ala Thr Ser Ala Ser Gln Val Gln Val  
 1                      5                      10                      15  
 Ile Leu Leu Pro Gln Pro Gln Leu Ile Phe Phe Ala Phe Leu Val Glu  
       20                      25                      30  
 Met Gly Phe His His Val Ser Gln Ala Gly Leu Glu Leu Leu Ala Ser  
       35                      40                      45  
 Ser Asp Leu Pro Val Ser Ala Ser Gln Asp Ala Arg Leu Asn Arg Cys  
       50                      55                      60  
 Glu Pro Pro Cys Pro Ala Gly Arg Gly Leu Glu Ser His Pro Lys Tyr  
 65                      70                      75                      80  
 Val Ser Pro Gly Ala  
       85

<210> 6551  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6551  
 Met Ser Gly Leu Ile Thr Ile Val Val Leu Leu Gly Ile Ala Phe Val  
 1                      5                      10                      15

Val Tyr Lys Leu Phe Leu Ser Asp Gly Gln Tyr Ser Pro Pro Pro Tyr  
 20 25 30  
 Ser Glu Tyr Pro Pro Phe Ser His Arg Tyr Gln Arg Phe Thr Asn Ser  
 35 40 45  
 Ala Gly Pro Pro Pro Pro  
 50

<210> 6552  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 6552  
 Met Asn Ser His Lys Ala Ile Thr Leu Leu Lys Lys Ile Asn Met Ala  
 1 5 10 15  
 Ser Ala Ser Glu Ala Pro Ala Val Pro Pro Arg Leu Asn Pro Ile Leu  
 20 25 30  
 Pro Pro Val Pro Arg Ser Asn His His Pro Ser Phe Leu Leu Ile Cys  
 35 40 45  
 Pro Leu Pro  
 50

<210> 6553  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 6553  
 Met Gly Arg His His Pro Pro Leu Pro Val Ser Ala Asn Thr Met Lys  
 1 5 10 15  
 Ile Ser Gln Ala Trp Ser Cys Val Leu Val Ala Pro Ala Thr Trp Glu  
 20 25 30  
 Ala Glu Val Gly Asp Gly Leu Ser Leu Glu Gly Arg Gly Cys Asn Glu  
 35 40 45  
 Pro Gly Leu Tyr His Cys Thr Pro Ser Trp Glu Thr Glu Thr Xaa Leu  
 50 55 60  
 Val Ser Asn Lys Thr Lys Gln Asn His  
 65 70

<210> 6554  
 <211> 315  
 <212> PRT  
 <213> Homo sapiens

<400> 6554  
 Met Glu Trp Asn Gly Thr Glu Arg Asn Gly Thr Glu Arg Ser Xaa Met  
 1 5 10 15  
 Glu Trp Asn Gly Ile Val Trp Asn Gly Met Glu Trp Tyr Gly Ile Glu  
 20 25 30  
 Trp Asn Gly Lys Asn Trp Asn Gly Met Glu Ser Asn Gly Met Glu Trp  
 35 40 45  
 Asn Gly Met Glu Ser Thr Arg Val Gln Gly Asn Val Met Glu Arg Asn  
 50 55 60  
 Ala Met Glu Trp Asn His Pro Glu Trp Asn Gly Met Glu Trp Asn Gly

65                      70                      75                      80  
 Met Gln Trp Asn Gly Ile Asn Pro Ser Ala Met Glu Trp Ser Gly Met  
                                  85                      90                      95  
 Glu Trp Asn Val Asn Gly Thr Thr Arg  
                                  100                      105

<210> 6555  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 6555  
 Met Ser Gly Leu Phe Lys Thr Ala Arg Glu Ala Leu Thr Glu Leu Asp  
 1                      5                      10                      15  
 Ala Pro Ala Pro Ile Gln Met Val Pro Thr Thr Lys Glu Arg Asn Gly  
                                  20                      25                      30  
 Ser Gly Gly Asp Gln Cys Gly Leu Glu Met Xaa Ile Ile Thr Arg Tyr  
                                  35                      40                      45  
 Gly Glu Asn Arg His  
                                  50

<210> 6556  
 <211> 222  
 <212> PRT  
 <213> Homo sapiens

<400> 6556  
 Met Glu Trp Xaa Gly Lys Glu Trp Asn Gly Met Glu Trp Lys Gly Met  
 1                      5                      10                      15  
 Pro Ser Asn Arg Met Glu Leu Lys Gly Met Glu Ser Thr Arg Val Glu  
                                  20                      25                      30  
 Trp Asn Ala Met Glu Trp Asn Xaa Met Glu Trp Asn Ala Met Ile Arg  
                                  35                      40                      45  
 Asn Arg Met Glu Trp Asn Glu Met Glu Trp Asn Gly Met Glu Trp Asn  
                                  50                      55                      60  
 Gly Ile Val Pro Ser Gly Ile Gly Gly Arg  
 65                      70

<210> 6557  
 <211> 231  
 <212> PRT  
 <213> Homo sapiens

<400> 6557  
 Met Asp Ile Tyr Asn Ile Phe His Gly His Phe Val Leu Ser Met Ser  
 1                      5                      10                      15  
 Thr Pro Asn Phe Gln His Pro Lys Asp Ser His Val Phe Pro Glu Ser  
                                  20                      25                      30  
 His Leu Gln Glu Trp Leu Cys Pro Asp Pro Leu Pro Gln Asp Pro Pro  
                                  35                      40                      45  
 Ser His Leu Val Gly Ala Ser Pro Arg Glu Ile Cys Thr Gln Leu Ser  
                                  50                      55                      60  
 Cys Ser His Met Ala Gln Met Val Val Asn His Pro Leu  
 65                      70                      75

<210> 6558  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 6558  
 Met Glu Trp Asn Gly Ile Asn Val Ser Thr Gly Glu Cys Asn Gly Thr  
 1 5 10 15  
 Lys Cys Asn Ala Met Glu Ser Ser Gly Met Glu Trp Asn Ala Met Glu  
 20 25 30  
 Met Glu Trp Asn Gln Pro Glu Xaa Asn Gly Met Glu Trp Asn Gly Met  
 35 40 45  
 Glu Trp Asn Gly Pro  
 50

<210> 6559  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 6559  
 Met Thr Ala Gly Asn Val Pro Trp Gln Ala Thr Val Thr Pro Val Glu  
 1 5 10 15  
 Lys His Cys Val Met Ser Val Gln Leu Pro Ser Gln Lys His Arg Ala  
 20 25 30  
 Cys Thr Arg Trp Ser Phe Gly Tyr Ile Ser Leu Ser Pro Ser Val Pro  
 35 40 45  
 Val Cys Ser Leu Val Ser Val Pro Ile Gly Lys Glu Ser Phe Gly Val  
 50 55 60  
 Pro Ser Leu Pro Arg Cys  
 65 70

<210> 6560  
 <211> 252  
 <212> PRT  
 <213> Homo sapiens

<400> 6560  
 Met Ile Gln Leu Leu Gln Thr Ser Trp Glu Asp Arg Phe Arg Ile Cys  
 1 5 10 15  
 Leu Ser Leu Gly Arg Leu Leu His His Leu Ala His Ser Pro Leu Gly  
 20 25 30  
 Ser Val Thr Leu Leu Asp Phe Arg Pro Arg Gln Phe Val Leu Val Asp  
 35 40 45  
 Gly Glu Leu Lys Val Thr Asp Leu Asp Asp Ala Arg Val Glu Glu Thr  
 50 55 60  
 Pro Cys Ala Gly Ser Thr Asp Cys Ile Leu Glu Phe Pro Ala Arg Asn  
 65 70 75 80  
 Phe Thr Leu Pro

<210> 6561  
 <211> 210  
 <212> PRT

<213> Homo sapiens

<400> 6561

Met Asp Gly Trp Ile Glu Val Trp Glu Xaa Tyr Phe Leu Phe Ile Leu  
1 5 10 15  
Phe Tyr Phe Ile Ser Phe Leu Phe Glu Met Glu Ser His Ser Val Thr  
20 25 30  
Gln Ala Gly Val Gln Trp His Asn Leu Ser Ser Leu Gln Ala Pro Pro  
35 40 45  
Pro Gly Phe Thr Pro Phe Ser Arg Leu Ser Leu Pro Ser Ser Trp Asp  
50 55 60  
Tyr Arg Arg Pro Pro Pro  
65 70

<210> 6562

<211> 225

<212> PRT

<213> Homo sapiens

<400> 6562

Met Glu Trp Xaa Gly Thr Thr Arg Met Xaa Trp Xaa Val Met Glu Ser  
1 5 10 15  
Lys Gly Val Glu Trp Asn Gln Pro Glu Cys Ser Gly Met Glu Trp Asn  
20 25 30  
Gly Met Glu Trp Asn Gly Leu Gln Trp Asn Gly Ile Asn Pro Asn Thr  
35 40 45  
Met Glu Trp Asn Gly Met Glu Trp Asn Ala Phe Lys Pro Asn Gly Met  
50 55 60  
Glu Arg Asn Gly Ile Asn Thr Ser Gly Met Glu  
65 70 75

<210> 6563

<211> 216

<212> PRT

<213> Homo sapiens

<400> 6563

Met Thr Val Leu Ser Pro Phe Tyr Ile Ile Ser Thr Phe Leu Lys Asp  
1 5 10 15  
Gln Leu Thr Ile Lys Phe Ile Leu Ile Tyr Phe Trp Asn Leu Ser Phe  
20 25 30  
Leu Phe Phe Phe Pro Phe Leu Ser Tyr Pro Phe Leu Ser Phe Pro Phe  
35 40 45  
Phe Leu Phe Phe Leu Glu Thr Trp Ser Phe Ser Val Thr Gln Ala Gly  
50 55 60  
Met Lys Trp Cys Asn His Arg Ser  
65 70

<210> 6564

<211> 177

<212> PRT

<213> Homo sapiens

<400> 6564

Met Arg Gly Leu Lys Gly Val Ala Ile Cys Pro Met Ser Gln Met Lys  
 1 5 10 15  
 Arg Gly Leu Arg Ala Leu Leu Arg Trp Pro Arg Leu His Ala Ser Cys  
 20 25 30  
 Ala Leu Met Ser Ser Arg Asp Gln Arg Leu Pro Ser Trp Ala Arg Ala  
 35 40 45  
 Val Cys Cys Ala Arg Ala Thr His Thr His Thr  
 50 55

<210> 6565

<211> 192

<212> PRT

<213> Homo sapiens

<400> 6565

Met Glu Trp Asn Gly Met Glu Ser Thr Arg Leu Gln Gly Asn Gly Met  
 1 5 10 15  
 Glu Trp Asn Ala Met Glu Trp Ile Gln Leu Glu Trp Asn Gly Lys Asn  
 20 25 30  
 Gly Ile Asn Thr Ser Ala Met Asp Trp Arg Gly Met Glu Trp Asn Ala  
 35 40 45  
 Thr Xaa Arg Asn Gly Met Glu Trp Asn Gly Met Glu Trp Asn Xaa Thr  
 50 55 60

<210> 6566

<211> 171

<212> PRT

<213> Homo sapiens

<400> 6566

Met Gln Glu Ile Ser Arg Ala Trp Trp Arg Ala Pro Val Val Ser Ala  
 1 5 10 15  
 Ala Trp Glu Ala Glu Ala Gly Glu Trp Arg Glu Pro Gly Arg Arg Xaa  
 20 25 30  
 Cys Ser Glu Arg Arg Ser Cys His Cys Thr Pro Ala Trp Val Thr Glu  
 35 40 45  
 Pro Asp Ser Ile Ser Lys Lys Lys Lys  
 50 55

<210> 6567

<211> 180

<212> PRT

<213> Homo sapiens

<400> 6567

Met Glu Trp Asn Gly Thr Glu Trp Ser Gly Met Glu Trp Asn Gln Pro  
 1 5 10 15  
 Glu Cys Arg Gly Met Glu Trp Asn Gly Met Gln Cys Asn Gly Ile Ile  
 20 25 30  
 Arg Asn Gly Met Gly Trp Asn Gly Met Glu Trp Xaa Gly Met Glu Trp  
 35 40 45  
 Asn Gly Ile Asn Ala Ser Ala Gly Glu Trp Asn Gly  
 50 55 60

<210> 6568  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 6568  
 Met Glu Trp Asn Gly Thr Glu Trp Ser Gly Met Glu Xaa Asn Gln Pro  
 1 5 10 15  
 Glu Cys Arg Gly Met Glu Trp Asn Gly Met Gln Cys Asn Gly Ile Ile  
 20 25 30  
 Arg Asn Xaa Met Gly Xaa Asn Gly Met Xaa Xaa Asn Gly Met Xaa Met  
 35 40 45  
 Glu Trp Asn Gln Arg Glu Cys Xaa Gly Met Glu Trp Xaa  
 50 55 60

<210> 6569  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6569  
 Met Pro Ser Pro Gln Arg Trp Ser Leu Gln Arg Gln Ala Gly Leu Ile  
 1 5 10 15  
 Ser Cys Gly Gly Thr Pro Pro Ser Ser Thr Phe Pro Ala Thr Leu Phe  
 20 25 30  
 Thr Tyr Ser Ser Leu Ser Asn Gly Gly His His Ala His Gly Ala Leu  
 35 40 45  
 Val Thr Gly Ser  
 50

<210> 6570  
 <211> 204  
 <212> PRT  
 <213> Homo sapiens

<400> 6570  
 Met Arg Glu Leu Ala Pro Glu Leu Phe Glu Ser Gln Pro Asp Leu Leu  
 1 5 10 15  
 His Gln Leu Val Thr Xaa Met Asn Pro Asn Xaa Leu Met Glu His Gly  
 20 25 30  
 Val Pro Val Ser Leu Leu Val Ser Ser Phe Ser Cys Xaa Phe Val Cys  
 35 40 45  
 Leu Xaa Xaa Ser Phe Phe Xaa Xaa Phe Glu Thr Gly Ser Cys Ser Val  
 50 55 60  
 Ala Gln Ala Gly  
 65

<210> 6571  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6571  
 Met Ser His Cys Lys Glu Phe Phe Leu Thr Ser Phe Ser Phe Phe Leu

1 5 10 15  
Phe Glu Arg Glu Ser Cys Ser Val Ala Gln Asp Gly Val Gln Trp Arg  
20 25 30  
Asp Leu Gly Ser Leu Gln Pro Leu Pro Pro Arg Phe Lys Arg Phe Ser  
35 40 45  
Cys Leu Ser Leu Pro Ser  
50

<210> 6572  
<211> 264  
<212> PRT  
<213> Homo sapiens

<400> 6572  
Met Asp Leu Thr Ala Tyr Ala Glu Leu Leu Lys Glu Ser Gly Asn Gln  
1 5 10 15  
Val Leu Lys Asn Gly Asn Phe Ser Leu Ala Ile Arg Lys Tyr Asp Glu  
20 25 30  
Ala Ile Gln Ile Leu Leu Gln Leu Tyr Gln Trp Gly Val Pro Pro Arg  
35 40 45  
Asp Leu Ala Val Leu Leu Cys Asn Lys Ser Asn Ala Phe Phe Ser Leu  
50 55 60  
Gly Lys Trp Asn Glu Ala Phe Val Ala Ala Lys Glu Cys Leu Gln Trp  
65 70 75 80  
Asp Pro Thr Tyr Val Lys Gly Cys  
85

<210> 6573  
<211> 159  
<212> PRT  
<213> Homo sapiens

<400> 6573  
Met Glu Trp Lys Glu Trp Asn Gln His Glu Trp Lys Gly Met Asp Trp  
1 5 10 15  
Asn Ala Met Glu Trp Asn Gln Pro Glu Tyr Arg Gly Met Glu Trp Asn  
20 25 30  
Gly Met Gln Trp Asn Gly Ile Ile Arg Asn Gly Met Glu Xaa Xaa Gly  
35 40 45  
His Gly Met Glu Trp  
50

<210> 6574  
<211> 162  
<212> PRT  
<213> Homo sapiens

<400> 6574  
Met Pro Val Ile Pro Ala Phe Trp Glu Ala Glu Val Gly Gly Ser Pro  
1 5 10 15  
Glu Val Arg Ser Leu Arg Pro Ala Trp Pro Thr Trp Arg Asn Pro Val  
20 25 30  
Phe Thr Arg Asn Ala Lys Val Gly Trp Ala Leu Trp Arg Met Pro Val  
35 40 45



Ile Pro Ala Ala Arg Glu  
50

<210> 6575  
<211> 156  
<212> PRT  
<213> Homo sapiens

<400> 6575  
Met Ile Glu Asp Val Phe Ser Leu Ala Leu Thr Ser Val Asp Asn Ser  
1 5 10 15  
Cys Gln Asn Tyr Tyr Tyr Lys Val Cys Gln Met Met Ile Phe Leu Ile  
20 25 30  
Pro Ser Ser Phe Leu His Leu Leu Thr Val Ser Tyr Cys Lys Glu Glu  
35 40 45  
Leu Gly Arg Ala  
50

<210> 6576  
<211> 177  
<212> PRT  
<213> Homo sapiens

<400> 6576  
Met Glu Leu Asn Gly Thr Glu Arg Asn Gly Met Glu Trp Asn Gly Ile  
1 5 10 15  
Asn Pro Ser Glu Val Glu Trp Asn Gly Met Glu Phe Asn Gly Met Glu  
20 25 30  
Ser Ser Gly Met Glu Trp Asn Gly Met Lys Trp Asn Gly Met Glu Trp  
35 40 45  
Asn Gln Pro Glu Cys Asn Gly Met Glu Arg Asn  
50 55

<210> 6577  
<211> 159  
<212> PRT  
<213> Homo sapiens

<400> 6577  
Met Trp Ala Cys Trp Gly Met Leu Gly Cys Phe Pro Leu Phe Val Pro  
1 5 10 15  
Trp Val Pro Val Leu Gly Lys His Phe Ser Asp Val Ser Ile Tyr Val  
20 25 30  
Ala Gly His Pro Ala Asp Cys Leu His Leu Cys Ala Xaa Ser Leu Trp  
35 40 45  
Thr Asn Tyr Ser Ala  
50

<210> 6578  
<211> 237  
<212> PRT  
<213> Homo sapiens

<400> 6578

Met Cys Arg Thr Ser Ala Pro Ala Ala Leu Arg His Gly Arg Ser Pro  
 1 5 10 15  
 Cys Arg Trp Pro Cys Thr Ala Pro Met Ala Leu Leu Cys Thr Met Arg  
 20 25 30  
 Phe Ser Met Pro Trp Ser Ala Asn Ala Pro Pro Gly Ser Ala Ala Ser  
 35 40 45  
 Glu Ala Ala Ala Ala Ala Trp Val Pro Ala Ala Ala Cys Leu Gly Leu  
 50 55 60  
 Met Ala Arg Pro Glu Cys Cys Gln Ser Ser Ala Cys Ser Ala Leu  
 65 70 75

<210> 6579  
 <211> 204  
 <212> PRT  
 <213> Homo sapiens

<400> 6579  
 Met Arg Ser His Xaa Tyr Thr Ile Ser Tyr Ile Tyr Tyr Xaa Ser Xaa  
 1 5 10 15  
 Xaa Ile Ser Xaa Tyr Tyr Tyr Thr Leu Ser Phe Arg Val His Val His  
 20 25 30  
 Asn Val Gln Val Cys Tyr Ile Cys Ile His Val Xaa Cys Cys Cys Val  
 35 40 45  
 Ala Pro Ile Asn Ser His Leu Ala Leu Gly Ile Ser Pro Asn Ala Ile  
 50 55 60  
 Pro Pro Pro Ser  
 65

<210> 6580  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 6580  
 Met Glu Ser Ser Asn Gly Met Glu Trp Asn Asn Pro Trp Thr Arg Met  
 1 5 10 15  
 Gln Ser Ser Ser Asn Gly Ile Glu Trp Asn His Arg Met Asp Ser Asn  
 20 25 30  
 Gly Ile Ile Ile Glu Gln Asn Arg Met Glu Ser Ser Ser Asp Gly Asn  
 35 40 45  
 Glu Arg Ser His His Leu Met Glu Leu  
 50 55

<210> 6581  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 6581  
 Met Lys Leu Arg Lys Ile Gln Phe Glu Val Leu Leu Lys Met Lys Arg  
 1 5 10 15  
 Lys Leu Gly Arg Trp Leu Arg Val Ser Arg Leu Val Cys Tyr Trp Val  
 20 25 30  
 Gly Ala Ala Ala Pro Ala Ala Ser Gly Leu Thr Ser Gly Pro Pro Leu

35  
Cys Ser Arg Ala Pro  
50

40

45

<210> 6582  
<211> 225  
<212> PRT  
<213> Homo sapiens

<400> 6582  
Met Asn Ala Lys Tyr Ile Phe Tyr Ile Gln Arg Cys Ala Ser Lys Leu  
1 5 10 15  
Tyr Val Phe Phe Phe Ile Phe Tyr Xaa Phe Leu Arg Trp Ser Leu Thr  
20 25 30  
Leu Ser Pro Xaa Leu Glu Tyr Ser Gly Ala Ile Ser Ala His Cys Lys  
35 40 45  
Leu Arg Leu Pro Gly Ser Leu His Ser Pro Ala Ser Xaa Ser Arg Val  
50 55 60  
Ala Gly Thr Thr Gly Met Arg His Xaa Ala Arg  
65 70 75

<210> 6583  
<211> 183  
<212> PRT  
<213> Homo sapiens

<400> 6583  
Met Leu Phe Gln Glu Pro Gln Pro Met Leu Ala Ser Gly Pro Leu His  
1 5 10 15  
Leu Phe Thr Leu Leu Thr Lys Met Val Ala Glu Met Leu His Pro His  
20 25 30  
Ile Phe Pro Ser Phe Arg Pro Trp Leu Arg His His Met Leu Arg Gln  
35 40 45  
Asp Phe Ser Glu Ser Leu Leu Phe Phe Phe Phe Phe  
50 55 60

<210> 6584  
<211> 249  
<212> PRT  
<213> Homo sapiens

<400> 6584  
Met Asp Ile Ser Ala Thr Asp Leu Val Leu Arg Lys Val Ile Asn Phe  
1 5 10 15  
Ser Asp Cys Thr Val Cys Leu Asp Lys Arg Asn Ala Ser Gly Lys Ile  
20 25 30  
Glu Phe Tyr Gln Asp Pro Leu Leu Tyr Lys Cys Ser Phe Arg Thr Arg  
35 40 45  
Leu His Phe Thr Tyr Glu Asn Leu Asn Ser Lys Met Pro Ser Val Ile  
50 55 60  
Lys Ile His Thr Xaa Val Glu Ser Leu Lys Leu Ser Ile Thr Asp Gln  
65 70 75 80  
Gln Leu Pro

<210> 6585  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 6585  
 Met Gln Trp Xaa Trp Asn Gly Met Glu Trp Asn Gly Met Glu Leu Thr  
 1 5 10 15  
 Arg Ile Lys Trp Asn Gly Met Glu Trp Asn Gly Met Glu Trp Asn Gly  
 20 25 30  
 Met Glu Ser Thr Arg Val Gln Gly Asn Gly Met Glu Trp Asn Ala Met  
 35 40 45  
 Xaa Met Glu Ser Ser Gly Met Glu Trp Asn Gly Met Glu  
 50 55 60

<210> 6586  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6586  
 Met Glu Trp Asn Gly Met Glu Cys Asn Gly Met Glu Ser Thr Arg Val  
 1 5 10 15  
 Gln Ser Asn Gly Ile Glu Trp Asn Gly Met Gln Trp Asn Gly Phe Asn  
 20 25 30  
 Leu Asn Gly Met Glu Arg Met Glu Ser Thr Arg Val Glu Trp His Gly  
 35 40 45  
 Leu Glu Trp Asn  
 50

<210> 6587  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 6587  
 Met Ile Ser Gly Gly Glu Val Glu Gly Arg Cys Pro Gly Gln Thr Gly  
 1 5 10 15  
 Pro Leu Cys Pro His Thr Ser Leu Xaa Pro Phe Ala Lys Leu Val Lys  
 20 25 30  
 Leu Arg Gly Thr Gly Phe Pro Val Ala Pro Leu Pro Tyr Ser Lys Ser  
 35 40 45  
 Pro Ser Asp Phe Met Ser Leu Leu Ile Ser Thr Val His  
 50 55 60

<210> 6588  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 6588  
 Met Phe Ile Phe Thr Ile Ser Ile Ser Phe Phe Ser Leu Leu Phe Ile  
 1 5 10 15  
 Tyr Leu Phe Ile Tyr Phe Leu Ser Gln Ile Leu Pro Leu Ser Pro Arg

20 25 30  
 Leu Glu Cys Ser Val Val Ile Ser Ala His Cys Asn Leu His Leu Leu  
 35 40 45  
 Gly Ser Ser Asp Ser Tyr Ala Leu Ala Ser Gln Ala Ala Gly Thr Thr  
 50 55 60  
 Gly Thr Cys His His Ala Gln  
 65 70

<210> 6589  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens

<400> 6589  
 Met Pro Glu Thr Glu Thr His Glu Arg Glu Thr Glu Leu Phe Ser Pro  
 1 5 10 15  
 Pro Ser Asp Val Arg Gly Met Thr Lys Leu Asp Arg Thr Ala Phe Lys  
 20 25 30  
 Lys Thr Val Asn Ile Pro Val Leu Lys Val Arg Lys Glu Ile Val Ser  
 35 40 45  
 Lys Leu Met Arg Ser Leu Lys Arg Ala Ala Leu Gln Arg Pro Gly Ile  
 50 55 60  
 Arg Pro  
 65

<210> 6590  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 6590  
 Met Asp Tyr Gln Pro Val Gln Leu Thr Leu Ser Phe Asn Ser Leu Ser  
 1 5 10 15  
 Phe Gln Ser Phe Leu His Ile Gly Cys Asn Ala Pro Asn Ser Gly Ser  
 20 25 30  
 Phe Cys Leu Xaa Leu Asp Asp Cys Xaa Xaa Pro Xaa Val Ser Ile Trp  
 35 40 45  
 Met Ile Val Val Thr Ser Leu Met Asp Ile Glu Cys Pro Phe Phe Leu  
 50 55 60  
 Leu Leu Ser Pro Pro Gln  
 65 70

<210> 6591  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 6591  
 Met Glu Arg Thr Arg Ser Ser Ala Ser Pro Ser Ser Gly Val Gly Pro  
 1 5 10 15  
 Arg Gln Ala Arg Thr Arg Val Ser Leu Pro Pro Gly Gln Val Val Val  
 20 25 30  
 Thr Arg Gly Thr Glu Gly Asp Ile Gly Phe Pro Gly Gly Gly Gly Trp  
 35 40 45

Arg Gly Val Lys Glu Ser Arg  
50 55

<210> 6592  
<211> 195  
<212> PRT  
<213> Homo sapiens

<400> 6592  
Met Asn Gln Pro Phe Tyr Tyr Asn Met Thr Leu Phe Leu Xaa Xaa Gly  
1 5 10 15  
Xaa Xaa Leu Cys Leu Thr Leu Ile Tyr Tyr Tyr Leu Ser Tyr Ile Tyr  
20 25 30  
Val Leu His Gly Lys Ser Leu Ser Leu Phe Leu Ile His Leu Arg Leu  
35 40 45  
Ile Leu Ile Lys Phe Cys Leu Ser Tyr Lys Leu Thr Tyr Ser Trp Ala  
50 55 60  
Leu  
65

<210> 6593  
<211> 159  
<212> PRT  
<213> Homo sapiens

<400> 6593  
Met Ala Tyr Lys Phe Thr Leu Pro Pro Glu Gln Tyr Val Ser Leu His  
1 5 10 15  
Phe Phe Gln Ile Ile Ser Leu Ser Ile Cys Tyr Phe Tyr Asn Phe Leu  
20 25 30  
Ile Phe Phe Xaa Phe Phe Phe Asn Thr Ala Tyr Lys Tyr Lys Tyr Phe  
35 40 45  
Phe Leu Phe Xaa Lys  
50

<210> 6594  
<211> 240  
<212> PRT  
<213> Homo sapiens

<400> 6594  
Met Cys Leu Leu Leu Asn Phe Leu Lys Ile Cys Pro Xaa Glu Ile Pro  
1 5 10 15  
Leu Met Phe Asn Leu Phe Tyr Leu Leu Ser Tyr Arg Asn Gly Asp Tyr  
20 25 30  
Ala His Cys Thr Met Ala Gln Ala Asn Val Gly Trp Gly Leu Glu Asn  
35 40 45  
Trp Arg Lys Ala Cys Leu Cys Val Val Pro Gln Val Leu Leu Ala Leu  
50 55 60  
Gln Ser Xaa Ala Asn Val Pro Leu Leu Leu Val Phe Phe Leu Glu Thr  
65 70 75 80

<210> 6595  
<211> 183

<212> PRT  
<213> Homo sapiens

<400> 6595

Met Glu Gly Arg Val Gln Trp Leu Thr Pro Val Ile Pro Ala Leu Trp  
1 5 10 15  
Glu Ser Lys Ala Gly Gly Ser Arg Gly Gln Glu Phe Gly Asn Ser Leu  
20 25 30  
Thr Ser Val Val Lys Pro Cys Leu Tyr Trp Lys Cys Arg Asn Trp Leu  
35 40 45  
Gly Val Val Ala Arg Ala Trp Ser Gln Leu Leu Glu Arg  
50 55 60

<210> 6596  
<211> 168  
<212> PRT  
<213> Homo sapiens

<400> 6596

Met Glu Ser Arg Ser Val Thr Gln Ala Gly Val Gln Trp Arg Ala Ile  
1 5 10 15  
Ser Ala His Cys Asn Leu Cys Leu Pro Gly Ser Gly Asp Ser Pro Ala  
20 25 30  
Ser Ala Ser Arg Val Ala Gly Ile Thr Gly Val Cys His Arg Ala Gln  
35 40 45  
Leu Xaa Xaa Val Phe Leu Val Glu  
50 55

<210> 6597  
<211> 159  
<212> PRT  
<213> Homo sapiens

<400> 6597

Met Xaa Lys Val Arg Xaa Lys Arg Val Leu Glu Lys Ala Xaa Ser Val  
1 5 10 15  
Xaa Leu Asp Gly Pro Gln Ala Asp Arg Ser Xaa Gly Leu Trp Leu Gln  
20 25 30  
Leu Ala Arg Val Thr Glu Met Phe Phe Xaa Thr Gly Thr Trp Xaa His  
35 40 45  
Gln Leu Leu Pro Pro  
50

<210> 6598  
<211> 168  
<212> PRT  
<213> Homo sapiens

<400> 6598

Met Tyr Ser Ile Leu Ser Phe Leu Asn Tyr Met His Ile Ile Tyr Arg  
1 5 10 15  
Ser Cys Ile Tyr Ile Asp Lys Cys Ile Leu Thr Tyr Phe Leu Phe Phe  
20 25 30  
Asn Ala Val Val Lys Val Leu Val Leu Lys Phe Asn Phe His Leu Phe

35 40 45  
Val Val Ser Ile Glu Ile Gln Phe  
50 55

<210> 6599  
<211> 153  
<212> PRT  
<213> Homo sapiens

<400> 6599  
Met Leu Leu Asn Ala Phe Tyr Leu Xaa Xaa Xaa Val Xaa Ala Phe Phe  
1 5 10 15  
Phe Phe Tyr Tyr Xaa Thr Leu Ser Ser Gly Ile His Val Lys Asn Met  
20 25 30  
Gln Val Tyr Tyr Ile Gly Ile His Cys His Gly Gly Leu Leu His Pro  
35 40 45  
Ser Thr Cys  
50

<210> 6600  
<211> 270  
<212> PRT  
<213> Homo sapiens

<400> 6600  
Met Glu Lys Ser Ser Lys Cys Glu Cys Asn Lys Arg Phe Gln Met Ile  
1 5 10 15  
Phe Phe Cys Leu Asn Tyr Val Ser Leu Lys Tyr Met Ser Leu Asn Ser  
20 25 30  
Leu Ser Leu Ser Lys Asn Ile Cys Ser Leu Glu Lys Ser Tyr Gly Ile  
35 40 45  
Met Leu Phe Ser Thr Gln Pro Ile Tyr Phe Glu Ala Leu Ser Glu Glu  
50 55 60  
Gly Ser Asn Glu Thr Asp His Pro Gln Val Ser Pro Gly Tyr Tyr His  
65 70 75 80  
Val Asp Met Glu Leu Thr Ser Phe Gln His  
85 90

<210> 6601  
<211> 330  
<212> PRT  
<213> Homo sapiens

<400> 6601  
Met Asp Gln Asn Glu His Ser His Trp Gly Pro His Ala Lys Gly Gln  
1 5 10 15  
Cys Ala Ser Arg Ser Glu Leu Arg Ile Ile Leu Val Gly Lys Thr Gly  
20 25 30  
Thr Gly Lys Ser Ala Ala Gly Asn Ser Ile Leu Arg Lys Gln Ala Phe  
35 40 45  
Glu Ser Lys Leu Gly Ser Gln Thr Leu Thr Lys Ile Cys Ser Lys Ser  
50 55 60  
Gln Gly Ser Trp Gly Asn Arg Glu Ile Val Ile Asp Thr Pro Asp  
65 70 75 80



Met Phe Ser Trp Lys Asp His Cys Glu Ala Leu Tyr Lys Glu Val Gln  
 85 90 95  
 Arg Cys Xaa Leu Leu Ser Ala Pro Gly Pro His Val Leu Leu  
 100 105 110

<210> 6602  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 6602  
 Met Glu Trp Asn Gly Met Glu Trp Asn Gly Met Glu Trp Asn Ala Met  
 1 5 10 15  
 Glu Trp Asn Leu Pro Glu Trp Asn Gly Met Glu Trp Asn Gly Met Glu  
 20 25 30  
 Cys Asn Gly Phe Asn Ser Ile Ala Met Glu Trp Xaa Arg Met Xaa Met  
 35 40 45  
 Glu Trp Xaa Gly Xaa Gly Val Glu Leu Asn Arg Ile Glu Trp Asn Gly  
 50 55 60  
 Met Glu Trp Lys Gly Thr  
 65 70

<210> 6603  
 <211> 297  
 <212> PRT  
 <213> Homo sapiens

<400> 6603  
 Met Ala Val Trp Ser Trp Leu Pro Arg Arg Gln Val Pro Gly Ser Pro  
 1 5 10 15  
 Leu Pro Gln Cys Glu Glu Leu Arg Lys Xaa Xaa Glu Arg Arg Thr Pro  
 20 25 30  
 Pro Ala Ile Ser Val Ile Pro Ala Ala Phe Tyr Thr Ala Tyr Phe  
 35 40 45  
 Leu His Lys Gln Lys Met Asn Glu Asn Lys Asp Thr Asp Ser Xaa Lys  
 50 55 60  
 Ser Glu Glu Tyr Glu Asp Asp Xaa Xaa Lys Asp Leu Glu Xaa Leu Xaa  
 65 70 75 80  
 Asn Glu Asn Glu Lys Ser Asp Ala Ser Ile Ile Glu Met Ala Cys Glu  
 85 90 95  
 Lys Glu Gly

<210> 6604  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 6604  
 Met Asn Pro His Val His His Pro Val Ser Ile Ile Lys Asn Thr Leu  
 1 5 10 15  
 Ser Ser Leu His Tyr Leu Leu His Ser Tyr Phe Pro Pro Pro Leu Asp  
 20 25 30  
 Tyr Phe Lys Ala Asn Gln Arg Pro His Leu Ser Ser Glu Asn Pro Phe  
 35 40 45

Ser Thr Ser Xaa Phe Leu Cys Pro Thr  
 50 55

<210> 6605  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 6605  
 Met Glu Ser Ser Asn Gly Met Glu Trp Asn Asn Pro Trp Thr Arg Met  
 1 5 10 15  
 Gln Ser Ser Ser Asn Gly Ile Glu Trp Asn His Arg Met Xaa Ser Asn  
 20 25 30  
 Gly Ile Ile Ile Xaa Xaa Glu Ser Xaa Trp Asn His His Arg Met Glu  
 35 40 45  
 Asn Glu Arg Ser His His Leu Met Glu  
 50 55

<210> 6606  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 6606  
 Met Ala Glu Glu Ala Ser Gly Asn Leu Gln Ser Trp Arg Lys Val Xaa  
 1 5 10 15  
 Gly Lys Ala Asp Thr Phe Phe Thr Arg His Gln Glu Arg Glu Lys Asp  
 20 25 30  
 Gln Glu Lys Leu Pro Phe Ile Lys Leu Ser Asp Leu Met Arg Ile Tyr  
 35 40 45  
 Ser Leu Ser Gln Glu Gln His Arg Gly Asn Arg Ser His Asp Pro Ala  
 50 55 60  
 Thr  
 65

<210> 6607  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 6607  
 Met Ser Gln Glu Gly Val Glu Leu Glu Lys Ser Val Arg Arg Leu Arg  
 1 5 10 15  
 Glu Lys Phe His Gly Lys Val Ser Ser Lys Lys Ala Gly Ala Leu Met  
 20 25 30  
 Arg Lys Phe Gly Ser Asp His Thr Gly Val Gly Arg Ser Ile Val Tyr  
 35 40 45  
 Gly Val Lys Gln Lys Asp Gly His  
 50 55

<210> 6608  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 6608

Met Gly Met Arg Lys Val Gln Ser Arg Gly Tyr Pro Glu Tyr Thr Pro  
1 5 10 15  
Val Asp Val Ala Arg Val Ser Glu Pro His Thr Gly Gln Arg Gly Ala  
20 25 30  
Asp Met Gly Ala Ser Ser Thr Pro Gln Xaa Pro Ser Pro Ala Pro Arg  
35 40 45  
Leu Gly Trp Thr His Thr Asn Pro Leu Pro Thr  
50 55

<210> 6609

<211> 180

<212> PRT

<213> Homo sapiens

<400> 6609

Met Phe Ser Tyr Leu Phe Ile Cys Leu Phe Ile Tyr Phe Glu Met Glu  
1 5 10 15  
Ala Arg Ser Ile Ala Arg Leu Glu Cys Ser Gly Ala Leu Gly Ser Leu  
20 25 30  
Gln Pro Ser Arg Leu Pro Gly Xaa Asn Asp Ser Ser Ala Ser Ala Ser  
35 40 45  
Arg Val Ala Gly Asn Ile Gly Ala His His His Ala  
50 55 60

<210> 6610

<211> 249

<212> PRT

<213> Homo sapiens

<400> 6610

Met Thr Arg Met Met Thr Leu Thr Ser Leu Ala Cys Leu Val Gly Glu  
1 5 10 15  
Gly Glu Glu Gly Lys Lys Glu Arg Glu Glu Ser Ser Lys Ala Arg Arg  
20 25 30  
Lys Gly Gly Gln Pro Pro Lys Lys Pro Ser Leu Lys Thr Ser Ile Pro  
35 40 45  
Leu Leu Ser Leu Leu Glu Met Leu Val Pro Arg Thr Val Pro Gln Val  
50 55 60  
Leu Gly Pro Pro Glu Ser Cys Gln Ser Gln Xaa Leu Arg Ala Phe Leu  
65 70 75 80  
Trp Leu Pro

<210> 6611

<211> 192

<212> PRT

<213> Homo sapiens

<400> 6611

Met Gly Ser His Ser Val Thr Gln Ala Asp Met Gln Leu His Asp Leu  
1 5 10 15  
Gly Ser Leu Gln Pro Leu Leu Pro Arg Phe Lys Gln Phe Ser Arg Leu  
20 25 30

Ser Leu Pro Arg Ser Trp Asp Ile Gly Val His His His Thr Trp Leu  
 35 40 45  
 Ile Phe Val Phe Leu Val Glu Met Gly Phe His His Ile Ala Pro Ala  
 50 55 60

<210> 6612  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6612  
 Met Glu Trp Lys Gly Leu Glu Trp Ser Gly Met Glu Trp Asn Gly Met  
 1 5 10 15  
 Glu Trp Asn Gln Leu Asp Trp Asn Gly Met Glu Trp Asn Gly Met Glu  
 20 25 30  
 Ile Lys Pro Asn Xaa Met Glu Trp Asn Gly Met Glu Arg Asn Gly Asn  
 35 40 45  
 Gly Met Glu Trp Asn Gly Met Glu Trp Asn Gly Lys  
 50 55 60

<210> 6613  
 <211> 234  
 <212> PRT  
 <213> Homo sapiens

<400> 6613  
 Met Pro Pro Cys Pro Ala Lys Leu Phe Asn Phe Lys Ile Leu Asp Ser  
 1 5 10 15  
 Phe Val Ile Thr Phe Ser Leu Lys His Lys Gln Gly Pro Ser Trp Trp  
 20 25 30  
 Leu Thr Pro Val Ile Pro Ala Leu Trp Lys Ala Glu Ala Gly Gly Ser  
 35 40 45  
 Pro Glu Val Lys Ser Ser Arg Pro Ala Trp Pro Thr Trp Arg Asn Pro  
 50 55 60  
 Ile Ser Thr Lys Asn Thr Lys Ile Arg His Gly Gly Met Arg  
 65 70 75

<210> 6614  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6614  
 Met Glu Trp Asn Gly Thr Glu Trp Ser Gly Met Glu Trp Asn Gln Pro  
 1 5 10 15  
 Glu Cys Arg Gly Met Glu Trp Asn Gly Met Gln Cys Asn Gly Ile Ile  
 20 25 30  
 Arg Asn Gly Met Gly Trp Asn Gly Xaa Glu Trp Asn Gly Met Glu Trp  
 35 40 45  
 Asn Gly Ile Asn Ala Ser Ala Gly Glu Trp Asn Gly  
 50 55 60

<210> 6615  
 <211> 183

<212> PRT

<213> Homo sapiens

<400> 6615

Met Phe Leu Ser Ser Phe Phe Phe Ile Ile Leu Phe Tyr Tyr Tyr Tyr  
1 5 10 15  
Thr Leu Ser Phe Arg Val His Val His Asn Val Gln Val Ser Tyr Ile  
20 25 30  
Cys Ile Gln Cys His Ala Gly Val Leu His Pro Leu Pro Arg His Leu  
35 40 45  
Ala Leu Gly Ile Ser Pro Asn Ala Ile Pro Pro Pro Thr  
50 55 60

<210> 6616

<211> 222

<212> PRT

<213> Homo sapiens

<400> 6616

Met Pro Asn Leu Ser Ile Ser Thr Ser Asp Asn Phe Phe Phe Cys Cys  
1 5 10 15  
Val Ala Gln Ile Gly Val Gln Trp Cys Asp Leu Ser Ser Leu Gln Pro  
20 25 30  
Pro Pro Leu Gly Phe Lys Arg Leu Ser Cys Leu Gly Leu Leu Ser Ser  
35 40 45  
Trp Asp Cys Arg Ser Ala Pro Pro Arg Pro Ala Asn Phe Cys Ile Phe  
50 55 60  
Ser Arg Leu Thr Lys Asn Val Leu Pro Gln  
65 70

<210> 6617

<211> 165

<212> PRT

<213> Homo sapiens

<400> 6617

Met Ala Leu Cys Ser Leu Asp Leu Xaa Gly Ser Gly Asp Ala Leu Thr  
1 5 10 15  
Leu Ala Ser Gln Ser Thr Xaa Phe Thr Asp Val Ser Tyr Cys Ala Arg  
20 25 30  
Pro Gln Ile Asp Phe Ser Asn Glu Glu Tyr Leu Ser Ile Phe Trp Asp  
35 40 45  
Ser Val Pro His Ile Phe Thr  
50 55

<210> 6618

<211> 159

<212> PRT

<213> Homo sapiens

<400> 6618

Met Asp Arg Tyr Gly Lys Thr Ser Asn Gly Met Glu Leu Thr Arg Met  
1 5 10 15  
Glu Trp Thr Gly Met Glu Arg Thr Arg Met Glu Trp Thr Gly Met Glu

20 25 30  
 Trp Ile Glu Arg Asn Gly Leu Glu Arg Asn Gly Leu Glu Trp Lys Gly  
 35 40 45  
 Asn Glu Trp Asn Gly  
 50

<210> 6619  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 6619  
 Met Tyr Arg Glu Val Ala Arg Leu Leu Gln Lys Thr Pro Ala Cys Leu  
 1 5 10 15  
 Ser Phe Phe Ser Phe Phe Phe Xaa Phe Ile Ile Phe Phe Xaa Phe Tyr  
 20 25 30  
 Arg Asp Gly Xaa Leu Xaa Cys Leu Pro Gly Trp Pro Arg Thr Pro Gly  
 35 40 45  
 Xaa Lys His Ser Ser His Leu Ser Leu Pro Lys Cys Trp Asp Tyr Arg  
 50 55 60  
 Xaa Glu Pro Pro Tyr Pro Thr  
 65 70

<210> 6620  
 <211> 222  
 <212> PRT  
 <213> Homo sapiens

<400> 6620  
 Met Glu Trp Asn Ala Met Glu Trp Asn Leu Pro Glu Trp Asn Gly Met  
 1 5 10 15  
 Glu Trp Asn Gly Met Glu Cys Asn Gly Phe Asn Cys Ile Ala Met Glu  
 20 25 30  
 Trp Asn Arg Met Glu Trp Asn Gly Met Glu Trp Asn Gly Met Glu Leu  
 35 40 45  
 Asn Arg Ile Glu Cys Asn Gly Met Glu Trp Asn Gly Lys Glu Arg Asn  
 50 55 60  
 Gly Thr Glu Arg Cys Gly Met Glu Trp Glu  
 65 70

<210> 6621  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6621  
 Met Asp Arg Phe Gly Phe Phe Phe Lys Phe Gln Ile Asp Phe Phe Leu  
 1 5 10 15  
 Ser Pro Tyr Tyr Ser Cys Lys Leu Phe Ile Lys Ile Leu Asn Asn Met  
 20 25 30  
 Leu Ile Val Ile Tyr Lys Arg Asn Thr Gln His Thr Ala His Phe Phe  
 35 40 45  
 Phe Asn Phe Phe Ile Phe  
 50

<210> 6622  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 6622  
 Met Asp Arg Tyr Gly Lys Thr Ser Asn Gly Met Glu Leu Thr Arg Met  
 1 5 10 15  
 Glu Trp Thr Gly Met Glu Arg Thr Arg Met Glu Trp Thr Gly Met Glu  
 20 25 30  
 Trp Ile Glu Arg Asn Gly Leu Glu Arg Asn Gly Leu Glu Trp Lys Gly  
 35 40 45  
 Asn Glu Trp Asn Gly  
 50

<210> 6623  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 6623  
 Met Leu Val His Cys His Pro Ser Ala Xaa Cys Gln Asp Val His Ser  
 1 5 10 15  
 Ile Leu Pro Thr Ser Leu Trp Ile Pro Xaa Phe Xaa Ala Xaa Xaa Arg  
 20 25 30  
 Xaa Xaa Ser Asp Leu Tyr Leu Ser Asn Val Ser Leu Ser Xaa Asp Phe  
 35 40 45  
 Glu Xaa Ala Leu Ala Leu Xaa Pro Gln Phe Ser Val Glu  
 50 55 60

<210> 6624  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6624  
 Met Ser His Cys Lys Glu Phe Phe Leu Thr Ser Phe Ser Phe Phe Leu  
 1 5 10 15  
 Phe Glu Arg Glu Ser Cys Ser Val Ala Gln Asp Gly Val Gln Trp Arg  
 20 25 30  
 Asp Leu Gly Ser Leu Gln Pro Leu Pro Pro Arg Phe Lys Arg Phe Ser  
 35 40 45  
 Cys Leu Ser Leu Pro Ser  
 50

<210> 6625  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 6625  
 Met Glu Pro Arg Thr Arg Ala Glu Ala Arg Cys Xaa Gln Ala Gly Glu  
 1 5 10 15

# THE LIFE OF

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<400> 6626
Met Ala Val Pro Ala Ala Leu Ile Leu Arg Glu Ser Pro Ser Met Lys
1          5          10          15
Lys Ala Val Ser Leu Ile Asn Ala Ile Asp Thr Gly Arg Phe Pro Arg
20          25          30
Leu Leu Thr Arg Ile Leu Gln Lys Leu His Leu Lys Ala Glu Ser Ser
35          40          45
Phe Ser Glu Glu Glu Glu Glu Lys Leu Gln Ala Ala Phe Ser Leu Glu
50          55          60
Lys Gln Asp Leu His Leu Val Leu Glu Thr Ile Ser Phe Ile Leu Glu
65          70          75          80
Gln Ala Val

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<400> 6627
Met Val Pro Asp Thr Glu Ser Tyr Asp Ala Val Glu Ile Ile Arg Lys
1          5          10          15
Val Ala Val Pro Pro Arg Leu Ser Glu His Thr Gln Arg Tyr Glu Ala
          20          25          30
Ala Asn Arg Thr Val Gln Met Ala Glu Asn Phe Val Asn Asp Pro Glu
          35          40          45
Asn Glu Ile Asn Arg Trp Phe Arg Glu Phe Glu His Gly Pro Val Ser
          50          55          60
Glu Ala Lys Ser Asn Arg Arg Val Tyr Ala Lys Gly Glu
65          70          75

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<400> 6628
Met Gln Val Leu Thr Lys Arg Tyr Pro Lys Asn Cys Leu Leu Thr Val
1                    5                    10                    15
Met Asp Arg Tyr Ala Ala Glu Val His Asn Met Glu Gln Val Val Met
20                    25                    30
Ile Pro Ser Leu Leu Arg Asp Val Gln Leu Ser Gly Pro Gly Gly Gln
35                    40                    45

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Ala Gln Ala Glu Ala Pro Asp Leu Tyr Thr Tyr Phe Thr Met Leu  
 50 55 60

<210> 6629  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 6629  
 Met Pro Gly Arg Gly Arg Cys Pro Asp Cys Gly Ser Thr Glu Leu Val  
 1 5 10 15  
 Glu Asp Ser His Tyr Ser Gln Ser Gln Leu Val Cys Ser Asp Cys Gly  
 20 25 30  
 Cys Val Val Thr Glu Gly Val Leu Thr Thr Thr Phe Ser Asp Glu Gly  
 35 40 45  
 Asn Leu Arg Glu Val Thr Tyr Ser Arg Ser Thr Gly Glu Asn Glu Gln  
 50 55 60  
 Val Ser Arg Ser Gln Arg  
 65 70

<210> 6630  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 6630  
 Met Glu Ser Leu His Gly Asp Asp Leu Ile Val Thr Pro Phe Ala Gln  
 1 5 10 15  
 Val Leu Ala Ser Leu Arg Thr Val Arg Asn Asn Phe Ala Ala Leu Thr  
 20 25 30  
 Asn Leu Gln Asp Arg Ala Pro Ser Lys Arg Ser Pro Met Cys Thr Asn  
 35 40 45  
 His Pro Ser Thr Lys Pro Arg  
 50 55

<210> 6631  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6631  
 Met Val Ala Pro Ala Val Gln Glu Lys Lys Val Lys Lys Arg Val Ser  
 1 5 10 15  
 Phe Ala Asp Asn Gln Gly Leu Ala Leu Thr Met Val Lys Val Phe Ser  
 20 25 30  
 Glu Phe Xaa Asp Pro Leu Asp Met Pro Phe Asn Ile Thr Glu Leu Leu  
 35 40 45  
 Asp Asn Ile Val Ser Leu  
 50

<210> 6632  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 6632

Met Asn Glu Thr Asp Leu Asn His Leu Leu Pro Pro Val Ser Arg Leu  
1 5 10 15  
Phe Glu Leu Leu Trp Pro His Asn Thr Gly Arg Xaa Xaa Xaa Ser Xaa  
20 25 30  
Lys Gly Thr Tyr Ser Val Cys Ser Met Gly Trp Leu Thr Arg Ile Val  
35 40 45  
Cys Leu Phe Trp Glu Tyr Tyr Leu Gln Gln Glu Gln Thr Ile Arg Met  
50 55 60  
Gly Arg Thr  
65

<210> 6633

<211> 183

<212> PRT

<213> Homo sapiens

<400> 6633

Met Ala His Ser His His Arg Gln Trp Lys Leu Thr Val Ser Gly Ser  
1 5 10 15  
Pro Ala Gly Ala Val Asn His Pro Ser Pro Cys Glu His Val Ala Ser  
20 25 30  
Pro Asp Phe Leu His Met Ala Gly Phe Leu Gln Ser Lys His Pro Glu  
35 40 45  
Arg Ala Arg Gln Lys Leu Pro Ser Leu Thr Ser Pro Arg  
50 55 60

<210> 6634

<211> 162

<212> PRT

<213> Homo sapiens

<400> 6634

Met His Gln His Asn Ile Xaa Xaa Ala Lys Glu Pro Val Gln Asn Glu  
1 5 10 15  
Ile Ser Ala Thr Tyr Ile Arg Arg Ala Leu Gly Gln Gly Gln Ser Val  
20 25 30  
Lys Tyr Leu Ile Pro Asp Ala Val Ile Thr Tyr Ile Lys Asp His Gly  
35 40 45  
Leu Tyr Thr Lys Gly Arg  
50

<210> 6635

<211> 207

<212> PRT

<213> Homo sapiens

<400> 6635

Met Asp Val Leu Ala Glu Glu Phe Gly Asn Leu Thr Pro Glu Gln Leu  
1 5 10 15  
Ala Ala Pro Ile Pro Thr Val Glu Glu Lys Trp Arg Leu Leu Pro Ala  
20 25 30  
Phe Leu Lys Val Lys Gly Leu Val Xaa Gln His Ile Asp Ser Phe Asn

35                      40                      45  
 Tyr Phe Ile Asn Val Glu Ile Lys Lys Ile Met Lys Ala Asn Glu Lys  
     50                      55                      60  
 Val Thr Ser Asp Ala  
 65

<210> 6636  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 6636  
 Met Ser Thr Glu Val Lys Tyr Leu Pro Pro Ser Ser Pro Glu His Gln  
 1                      5                      10                      15  
 Lys Leu Cys Asn Gln Arg Pro Gln Glu Trp Pro Ser Pro Cys Cys Ser  
                     20                      25                      30  
 Gly His Thr Ser Gly Gly Arg Glu Ser Ser Leu His Ile Phe Pro Thr  
                     35                      40                      45  
 Thr Leu His Arg Lys  
 50

<210> 6637  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 6637  
 Met Pro Leu Met Tyr Gln Thr Glu Gly Glu Pro Leu Asn Pro Val Lys  
 1                      5                      10                      15  
 Gln Phe His Lys Ile Phe Thr Lys Cys Leu Tyr Xaa Arg Asn His Val  
                     20                      25                      30  
 Asp Phe Ser Pro Ala Asp Val Cys Thr Val Ser Thr Leu Val Tyr Gln  
                     35                      40                      45  
 Tyr Leu Thr Gly Ser Asn Asp Gly  
     50                      55

<210> 6638  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6638  
 Met Ala Ser Tyr Ser Gly Phe Ser Gly Leu Leu Glu Ile Arg Tyr Gly  
 1                      5                      10                      15  
 Pro Gly His Arg Ser Cys Leu Pro Gln Phe Ala Phe Phe Pro Gln Pro  
                     20                      25                      30  
 Pro Leu Pro Arg Pro Arg Ile Cys Met Trp Lys Tyr Leu Asp Val His  
                     35                      40                      45  
 Ser Met His Gln  
 50

<210> 6639  
 <211> 183  
 <212> PRT

<213> Homo sapiens

<400> 6639

Met Asp Thr Lys Lys Gly Thr Ala Asp Thr Gly Ala Tyr Leu Arg Ser  
1 5 10 15  
Glu His Gly Arg Arg Val Arg Ile Lys Lys Leu Pro Ile Trp Tyr Tyr  
20 25 30  
Ala Phe Tyr Leu Asp Asp Glu Ile Ile Cys Thr Thr Asn Pro Gly Asp  
35 40 45  
Met Gln Phe Thr Tyr Ile Ala Ser Leu His Met Cys Pro  
50 55 60

<210> 6640

<211> 237

<212> PRT

<213> Homo sapiens

<400> 6640

Met Ala Ala Thr Glu Gln Asp Lys Thr Pro Leu Gln Gln Lys Leu Asp  
1 5 10 15  
Glu Phe Gly Glu Gln Leu Ser Lys Val Ile Ser Leu Ile Cys Val Ala  
20 25 30  
Val Trp Leu Ile Asn Ile Gly His Phe Asn Asp Pro Val His Gly Gly  
35 40 45  
Ser Trp Phe Arg Gly Ala Ile Tyr Tyr Phe Lys Ile Ala Val Ala Leu  
50 55 60  
Ala Val Ala Ala Ile Pro Glu Val Phe Leu Gln Ser Ser Pro His  
65 70 75

<210> 6641

<211> 195

<212> PRT

<213> Homo sapiens

<400> 6641

Met His Ala Leu Asn Asp Asn Ser Phe Ser Pro Gln Lys Pro Val Leu  
1 5 10 15  
Gln Phe Cys Leu Ser Phe Arg Thr Met Thr Gln Asp Gly Gly Pro Val  
20 25 30  
Ile Glu Asn Pro Asp Ser Arg Trp Arg Leu Pro Ala Ser Pro Ile Ala  
35 40 45  
Ser Arg Val Ala Thr Glu Ala Thr Pro Thr Ser Gly Tyr Pro Gly Tyr  
50 55 60  
Ser  
65

<210> 6642

<211> 171

<212> PRT

<213> Homo sapiens

<400> 6642

Met Asp Glu Glu Ser Leu Asp Gly Leu Leu Phe Lys Asp His Asp Phe  
1 5 10 15

Ser Ser Asp Leu Leu Arg Gln Leu Asn Ser Leu Arg Gln Ser Arg Ile  
 20 25 30  
 Leu Thr Asp Val Ser Ile Cys Ala Gly Ala Arg Glu Ile Pro Cys Xaa  
 35 40 45  
 Arg Asn Val Leu Ala Ser Ser Ser Pro  
 50 55

<210> 6643  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 6643  
 Met Ala Pro Lys Lys Lys Ile Val Lys Lys Asn Lys Gly Asp Ile Asn  
 1 5 10 15  
 Glu Met Thr Ile Ile Val Glu Asp Ser Pro Leu Asn Lys Leu Asn Ala  
 20 25 30  
 Leu Asn Gly Leu Leu Glu Gly Gly Asn Gly Leu Ser Cys Ile Ser Ser  
 35 40 45  
 Glu Leu Gln Met Leu Leu Met Ala Pro Thr Ser  
 50 55

<210> 6644  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 6644  
 Met Gln Tyr Leu Ile Phe Cys Ser Cys Ala Asn Leu Leu Arg Ile Met  
 1 5 10 15  
 Ala Ser Arg Gly Ile His Val Ser Ala Lys Gly Leu Ile Ser Phe Phe  
 20 25 30  
 Phe Met Ala Val Lys Tyr Ser Met Val Tyr Met Tyr His Ile Phe Phe  
 35 40 45  
 Ile Gln Ser Ser Ile Ser Glu His Pro Arg  
 50 55

<210> 6645  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 6645  
 Met Arg Trp Gln Asn Glu Val Val Ala Lys Ser Ser Arg Val Trp Leu  
 1 5 10 15  
 Leu Leu Arg Ser Val Trp Leu Leu Glu Leu Glu Val Gly Lys Arg Val  
 20 25 30  
 Asp Ala Asp Ser His Gln Val Arg Glu Asp Gly Val Ile Asp Tyr Gly  
 35 40 45  
 Ser Ser Ser Gly Asp Arg Lys Arg Cys  
 50 55

<210> 6646  
 <211> 168

<212> PRT  
<213> Homo sapiens

<400> 6646

```

Met Lys Ser Pro Ala Ile Thr Ala Thr Leu Glu Gly Lys Asn Arg Thr
1           5           10           15
Leu Tyr Leu Gln Ser Val Thr Ser Ile Glu Glu Arg Thr Arg Pro Asn
           20           25           30
Leu Ser Lys Thr Leu Lys Glu Leu Gly Leu Val Asp Gly Gln Glu Leu
           35           40           45
Ala Val Ala Asp Val Thr Thr Pro
           50           55

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<210> 6647

<211> 168

<212> PRT

<213> Homo sapiens

<400> 6647

```

Met Ala Thr Asp Ser Ala Ile Asp Ile Leu Gly Phe Thr Asn Glu Glu
1           5           10           15
Lys Val Ser Ile Tyr Lys Leu Thr Gly Ala Val Met His Tyr Gly Asn
           20           25           30
Leu Lys Phe Lys Gln Lys Gln Arg Glu Glu Gln Ala Glu Pro Asp Gly
           35           40           45
Thr Glu Val Ala Asp Lys Ala Ala
           50           55

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<210> 6648

<211> 159

<212> PRT

<213> Homo sapiens

<400> 6648

```

Met Gly Phe His Arg Val Gly Gln Ala Gly Leu Asp Ser Gly Gly Leu
1           5           10           15
Pro Thr Ser Ala Ser Gln Ser Val Gly Ile Thr Gly Val Ser His Cys
           20           25           30
Arg Gln Pro Phe Phe Phe Asn His Phe Thr Val Leu Phe Ser Pro Glu
           35           40           45
Tyr Ile Cys Leu Thr
           50

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<210> 6649

<211> 237

<212> PRT

<213> Homo sapiens

<400> 6649

```

Met Glu Cys Ala Asp Ala Ala His Gly Leu Lys Gly His Ile Ile Ser
1           5           10           15
Asp Gly Gly Cys Ser Cys Pro Gly Asp Val Ala Lys Ala Phe Gly Ala
           20           25           30
Gly Ala Asp Phe Val Met Leu Gly Gly Met Leu Ala Gly His Ser Glu

```

35 40 45  
 Ser Gly Gly Glu Leu Ile Glu Arg Asp Gly Lys Lys Tyr Lys Leu Phe  
 50 55 60  
 Tyr Gly Met Ser Ser Glu Met Ala Met Lys Lys Tyr Ala Gly Ser  
 65 70 75

<210> 6650  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 6650  
 Met Pro Val Thr Gly Ile His Ser Val Gln Pro Ser Phe Ser Lys Pro  
 1 5 10 15  
 Asn Cys Thr Ile Ile Thr Leu Pro Arg Asn Lys Asn Phe Gln Gly Leu  
 20 25 30  
 Tyr Ser Pro Lys Phe Cys Ser Ser Glu His Leu Leu Ile His Ile Tyr  
 35 40 45  
 His Thr Lys Phe Ser Ser Leu Lys Lys Xaa Lys Lys Arg Pro Val Ala  
 50 55 60  
 Trp Leu Pro Ser Val Ile Pro Ala Leu Ser Glu Ala Lys Leu Gly  
 65 70 75

<210> 6651  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6651  
 Met Ser Thr Gly Lys Trp Arg His Gln Leu Ser Asp Arg Ser Ile Ser  
 1 5 10 15  
 Ser His Tyr Ile Thr Ser Cys Phe Lys Ile Ile Pro Arg Cys Leu Glu  
 20 25 30  
 Thr Arg Val Gly Tyr Lys Gln Leu Glu Met Leu Leu Cys Val Val Ser  
 35 40 45  
 Lys Glu Pro His Pro Thr  
 50

<210> 6652  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6652  
 Met Ser Leu Arg Lys Cys Gly Tyr Thr Leu Leu Thr Ala Pro Arg Ala  
 1 5 10 15  
 Val Ala Arg Val Ser Ser Arg Thr Lys Val Ala Val Gly Pro Ser Thr  
 20 25 30  
 Cys Leu Glu Cys Lys Ser His Met Leu Ser Thr Val Gln Ser Asn  
 35 40 45  
 Thr Pro Cys Asn  
 50

<210> 6653

<211> 309  
 <212> PRT  
 <213> Homo sapiens

<400> 6653

Met	Glu	Gly	Pro	Arg	Ala	Ala	Cys	Leu	Leu	Lys	Glu	Ala	Arg	Glu	Arg
1				5					10					15	
Gln	Ala	Arg	Glu	Pro	Gln	Gly	Ser	Gly	Glu	Arg	Asn	Gly	Arg	Ala	Leu
			20					25					30		
Gly	Leu	Trp	Leu	Glu	Cys	Glu	Gln	Ile	Val	Ser	Pro	Cys	Leu	Ser	Val
		35					40					45			
Ser	Pro	Gly	Gly	Asp	Pro	Asn	Arg	Asn	Asn	Ala	Pro	Gly	Asn	Pro	Ala
	50					55				60					
Val	Gln	Gly	Arg	Asn	Gly	Arg	Pro	Ala	Lys	Cys	Val	Leu	Val	Pro	Ile
65				70					75					80	
Leu	Val	Val	Met	Val	Trp	Gly	Gly	Tyr	Glu	Thr	Ala	Thr	Ala	Arg	Glu
				85				90						95	
Ala	Trp	Thr	Asp	Gly	His	Ala									
				100											

<210> 6654  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 6654

Met	Glu	Thr	Glu	Glu	Thr	His	Leu	Glu	Glu	Thr	Thr	Glu	Ser	Gln	Gln
1				5					10					15	
Asn	Gly	Glu	Glu	Gly	Thr	Ser	Thr	Pro	Glu	Asp	Lys	Glu	Ser	Gly	Gln
			20					25					30		
Glu	Gly	Val	Asp	Ser	Met	Ala	Glu	Glu	Gly	Thr	Ser	Asp	Ser	Asn	Thr
		35				40					45				
Gly	Ser	Glu	Ser	Asn	Ser	Ala	Thr	Val	Glu	Glu	Pro	Pro	Thr	Asp	Pro
	50					55					60				

<210> 6655  
 <211> 288  
 <212> PRT  
 <213> Homo sapiens

<400> 6655

Met	Glu	Pro	Pro	Gln	Glu	Thr	Asn	Arg	Pro	Phe	Ser	Thr	Leu	Asp	Asn
1				5					10					15	
Arg	Ser	Gly	Gln	Val	Gln	Val	Leu	Ser	Ala	Thr	Pro	Leu	Leu	Gln	Arg
			20					25					30		
Asn	Pro	Tyr	Ser	Ser	Pro	Asp	Ile	Met	His	Ile	Lys	Gly	Ser	Glu	Ala
		35				40						45			
Ser	Ser	Val	Pro	Tyr	Ala	Leu	Asn	Gln	Gly	Thr	Thr	Ala	Leu	Pro	Lys
	50					55					60				
Asn	Lys	Asn	Gln	Glu	Gly	Thr	Xaa	His	Arg	Xaa	Leu	Asn	Met	Leu	Arg
65				70					75					80	
Lys	Thr	Leu	Lys	Glu	Ser	Asp	Ser	Glu	Glu	Leu	Glu	Ile	Thr	Gln	Glu
				85				90						95	



<210> 6656  
 <211> 261  
 <212> PRT  
 <213> Homo sapiens

<400> 6656  
 Met Glu Phe Glu Ile Glu Pro Asp Lys Glu Cys Lys Ser Leu Ser Pro  
 1 5 10 15  
 Gly Lys Glu Asn Val Ser Ala Leu Asp Met Glu Lys Glu Ser Glu Glu  
 20 25 30  
 Lys Glu Glu Lys Glu Ser Glu Pro Gln Pro Glu Pro Val Ala Gln Pro  
 35 40 45  
 Gln Pro Gln Ser Gln Pro Gln Leu Gln Leu Gln Ser Gln Ser Gln Pro  
 50 55 60  
 Val Leu Gln Ser Gln Pro Pro Ser Gln Pro Glu Asp Leu Ser Leu Ala  
 65 70 75 80  
 Val Leu Gln Pro Thr Pro Pro  
 85

<210> 6657  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens

<400> 6657  
 Met Leu Leu His Cys Lys Arg Asp Glu Leu Arg Lys Leu Trp Ile Glu  
 1 5 10 15  
 Gly Ile Glu His Lys His Val Leu Asn Leu Leu Asp Glu Ile Glu Asn  
 20 25 30  
 Ile Lys Gln Val Pro Gln Lys Leu Glu Gln Cys Met Ala Ser Lys His  
 35 40 45  
 Tyr Leu Ser Ala Thr Asp Met Leu Val Ser Ala Val Glu Ser Leu Val  
 50 55 60  
 Gly Pro  
 65

<210> 6658  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 6658  
 Met Lys Val Ser Glu Arg Met Arg Leu Ser Tyr Glu Arg Arg Gly Arg  
 1 5 10 15  
 Ser Gln Gly Gly Gly Ser His Leu Ala Gly Ala Gln Pro Gly Gly Arg  
 20 25 30  
 Ala Ile Gly Ala Gly Trp Gln Ser Lys Glu Pro Leu Trp Glu Gly Leu  
 35 40 45  
 Gln Arg Ser  
 50

<210> 6659  
 <211> 255  
 <212> PRT

004220-6656-560

<213> Homo sapiens

<400> 6659

Met Gly Lys Thr Ala Glu Arg Arg His Cys Ile Asp Arg Tyr Ala Ile  
1 5 10 15  
Asn Tyr Gln Phe Arg Ile Phe Ile Gly Leu Gly Phe Phe Asn Glu Gly  
20 25 30  
Trp Lys Lys Ala Gly Asn Ser Arg His Gln Ala Arg Thr Val Cys Val  
35 40 45  
Gly Ser Cys Cys Phe Val Ile Ser Cys Ser Ser Pro Trp Arg Leu Thr  
50 55 60  
Trp Ser Gln Pro Trp Cys Cys Val Gln Pro Gly Leu Ala Pro Thr Glu  
65 70 75 80  
His Thr Asn Ser His  
85

<210> 6660

<211> 282

<212> PRT

<213> Homo sapiens

<400> 6660

Met Ala Val Met Glu Met Ala Cys Pro Gly Ala Pro Gly Ser Ala Val  
1 5 10 15  
Gly Gln Gln Lys Glu Leu Pro Lys Ala Lys Glu Lys Thr Pro Pro Leu  
20 25 30  
Gly Lys Lys Gln Ser Ser Val Tyr Lys Leu Glu Ala Val Glu Lys Ser  
35 40 45  
Pro Val Phe Cys Gly Lys Trp Glu Ile Leu Asn Asp Val Ile Thr Lys  
50 55 60  
Gly Thr Ala Lys Glu Gly Ser Glu Ala Gly Pro Ala Ala Ile Ser Ile  
65 70 75 80  
Ile Ala Gln Ala Glu Cys Glu Asn Ser Gln Glu Phe Ser Pro  
85 90

<210> 6661

<211> 204

<212> PRT

<213> Homo sapiens

<400> 6661

Met Ala Ile Leu Pro Lys Val Ile Tyr Arg Phe Asn Ala Ile Pro Ile  
1 5 10 15  
Lys Leu Pro Met Ser Phe Phe Thr Glu Leu Glu Lys Thr Thr Leu Lys  
20 25 30  
Phe Ile Trp Asn Gln Lys Xaa Ala Arg Ile Ala Xaa Ser Xaa Leu Ser  
35 40 45  
Gln Xaa Xaa Lys Ala Gly Gly Xaa Xaa Leu Pro Asp Phe Lys Leu Tyr  
50 55 60  
Tyr Lys Ala Pro  
65

<210> 6662

<211> 249

<212> PRT

<213> Homo sapiens

<400> 6662

Met Pro Ala Cys Asn Thr His Gly Glu Gly His Phe Leu Ala Pro Pro  
1 5 10 15  
Ala Lys Tyr Leu Gln Thr Leu Gly Arg Arg Leu His Ser Gln His Arg  
20 25 30  
Thr Ser Leu Asn Ser Phe Arg Ile Ser Asp His His His Val Gln Val  
35 40 45  
Ser Glu Cys Arg Pro Thr Thr Arg Asp Gly Phe Xaa Pro Pro Ala Leu  
50 55 60  
Leu Gln Ile His Ala Ala Gln Gln Ala Arg Ala Trp Arg Glu Gln Leu  
65 70 75 80  
Leu Ser Thr

<210> 6663

<211> 231

<212> PRT

<213> Homo sapiens

<400> 6663

Met Ser Val Pro Ala Thr Leu Gln Gly Ser Phe Leu Ala Ser Trp Gln  
1 5 10 15  
Glu Gln Gly Gly Ala Arg Cys Ser Cys Trp Trp Gly Ser Asn Val  
20 25 30  
Phe Asn Leu Thr Ala Thr Phe Leu Leu Lys Pro Lys Pro Arg Val Val  
35 40 45  
Trp Leu Ala Val Arg Asp Thr Gly Pro Arg Val Gly Met Val Leu Ser  
50 55 60  
Val Arg Leu Ala Gly Phe Leu Arg Leu Arg Trp Glu His  
65 70 75

<210> 6664

<211> 174

<212> PRT

<213> Homo sapiens

<400> 6664

Met Pro Tyr Ile Asp Glu Ser Pro Thr Met Ser Pro Gln Leu Ser Ala  
1 5 10 15  
Arg Ser Gln Gly Gly Gly Asp Gly Val Ser Pro Thr Pro Pro Glu Gly  
20 25 30  
Leu Ala Pro Gly Val Glu Xaa Gly Lys Gly Leu Xaa Met Xaa Xaa Leu  
35 40 45  
Val Leu Ser Gly Phe Leu Ala Xaa Glu Asp  
50 55

<210> 6665

<211> 195

<212> PRT

<213> Homo sapiens

<400> 6665

Met Gly Pro Thr Gly Leu Lys Ser Arg Phe Gly Phe Val Leu Phe Cys  
 1 5 10 15  
 Phe Val Leu Ser Glu Met Glu Ser Arg Ser Val Ala Gln Xaa Ala Val  
 20 25 30  
 Arg Trp His Asn Leu Gly Ser Leu Gln Ala Leu Pro Pro Gly Phe Thr  
 35 40 45  
 Pro Phe Ser Cys Leu Asn Leu Leu Ser Ser Trp Asp Tyr Arg His Pro  
 50 55 60  
 Pro  
 65

<210> 6666  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6666  
 Met Arg Ala Leu Gln Gln Lys Ala Leu Trp Ser Xaa Glu Asp Arg Lys  
 1 5 10 15  
 Xaa Met Cys Ile Glu Val Xaa Ile Ser Ala Ser Cys Xaa Glu Gln Cys  
 20 25 30  
 Glu His Asn Asp Leu Phe Leu Leu Val Arg Gln Val Asp Phe Tyr Leu  
 35 40 45  
 Xaa Gln His Asn  
 50

<210> 6667  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6667  
 Met Thr His Arg Asp Asn Pro Ser Leu Leu Cys Ser Thr Arg Ala Pro  
 1 5 10 15  
 Pro Lys Arg Gln Arg Ala Gly Gly Gly Trp Asp Gly Ser Cys Cys Val  
 20 25 30  
 Ala Leu Gly Lys Pro His Tyr Leu Ser Gly Pro Gln Pro Ser Leu His  
 35 40 45  
 Pro Lys Ala Leu Thr Thr Gly Ile Phe Gln Pro Ser  
 50 55 60

<210> 6668  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 6668  
 Met Glu Ile Gly Tyr Leu Phe Asp Pro Thr Cys Ala Pro Gln Lys Cys  
 1 5 10 15  
 Phe Trp Phe Gly Ser Thr Gln Gly Lys Ile His Ser Leu Lys Tyr Ser  
 20 25 30  
 Gln Met Cys Pro Tyr Ile His Pro Leu Leu Ser Ala Tyr Val Arg Val  
 35 40 45  
 Val Ala Gly Arg Gln Glu Val

50

55

<210> 6669  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 6669  
 Met Ala Glu Glu Val Val Xaa Val Ala Lys Phe Asp Tyr Val Ala Gln  
 1 5 10 15  
 Gln Glu Gln Glu Xaa Asp Ile Lys Lys Asn Glu Arg Leu Trp Leu Leu  
 20 25 30  
 Asp Asp Ser Lys Ser Trp Trp Arg Val Arg Asn Ser Met Asn Lys Thr  
 35 40 45  
 Gly Phe Val Pro Ser Asn Tyr Val Glu Arg Lys Asn Ser Ala Arg Lys  
 50 55 60  
 Ala  
 65

<210> 6670  
 <211> 231  
 <212> PRT  
 <213> Homo sapiens

<400> 6670  
 Met Pro Met Val Ala Cys Ser Ile Tyr Gln Val Gln Asn Ile His Gly  
 1 5 10 15  
 Ala Phe Asn Ala Leu Gly Gly Ala Asp Arg Leu Thr Ser Asn Pro Asn  
 20 25 30  
 Gln Trp Glu Gly Gly Pro Ser Pro Val Gln Thr Gln Thr Leu Thr Glu  
 35 40 45  
 Lys Glu Glu Gly Leu Ser Arg Gly Thr Ala Asp Ala Arg Thr Gln Trp  
 50 55 60  
 Ile Pro Ala Ile Thr Ile Ile Val Ala Leu Ile Thr Ala  
 65 70 75

<210> 6671  
 <211> 399  
 <212> PRT  
 <213> Homo sapiens

<400> 6671  
 Met Ala Ala Xaa Ser Xaa Pro Glu Ser Glu Val Phe Glu Ile Thr Asp  
 1 5 10 15  
 Phe Thr Xaa Ala Ser Glu Trp Glu Arg Phe Ile Ser Lys Val Glu Glu  
 20 25 30  
 Val Leu Asn Asp Trp Lys Leu Ile Gly Asn Ser Leu Gly Lys Pro Leu  
 35 40 45  
 Glu Lys Gly Ile Phe Thr Ser Gly Thr Trp Glu Glu Lys Ser Xaa Glu  
 50 55 60  
 Ile Ser Phe Ala Asp Phe Lys Phe Ser Val Thr His His Tyr Leu Val  
 65 70 75 80  
 Gln Glu Ser Thr Asp Lys Glu Gly Lys Asp Glu Leu Leu Glu Asp Val  
 85 90 95

Val Pro Gln Ser Met Gln Asp Leu Leu Gly Met Asn Asn Asp Phe Pro  
 100 105 110  
 Pro Arg Ala His Cys Leu Val Arg Trp Tyr Gly Xaa Arg Glu Xaa Val  
 115 120 125  
 Val Ile Ala Pro Ala  
 130

<210> 6672  
 <211> 327  
 <212> PRT  
 <213> Homo sapiens

<400> 6672  
 Met Ser Gly Leu Tyr Ser Pro Val Ser Glu Asp Ser Thr Val Pro Gln  
 1 5 10 15  
 Phe Glu Ala Pro Ser Pro Ser His Ser Ser Ile Ile Asp Ser Thr Glu  
 20 25 30  
 Tyr Ser Gln Pro Pro Gly Phe Ser Gly Ser Ser Gln Thr Lys Lys Gln  
 35 40 45  
 Pro Trp Tyr Asn Ser Thr Leu Ala Ser Arg Arg Lys Arg Leu Thr Ala  
 50 55 60  
 His Phe Glu Asp Leu Glu Gln Cys Tyr Phe Ser Thr Arg Met Ser Arg  
 65 70 75 80  
 Ile Ser Asp Asp Ser Arg Thr Ala Asn Gln Leu Asp Glu Phe Gln Glu  
 85 90 95  
 Cys Leu Ser Lys Phe Thr Arg Tyr Asn Ser Val Arg Pro  
 100 105

<210> 6673  
 <211> 216  
 <212> PRT  
 <213> Homo sapiens

<400> 6673  
 Met Gly Ser Leu Gln Asp Arg Val Ile Ala Leu Glu Thr Ser Thr Gln  
 1 5 10 15  
 Val Ala Leu Asp His Leu Glu Ser Val Pro Glu Lys Leu Ser Leu Leu  
 20 25 30  
 Glu Asp Phe Lys Asp Phe Arg Asp Ser Cys Ser Ser Ser Glu Arg Thr  
 35 40 45  
 Asp Gly Arg Tyr Ser Lys Tyr Arg Val Arg Arg Asn Ser Leu Gln His  
 50 55 60  
 His Gln Asp Asp Thr Lys Tyr Arg  
 65 70

<210> 6674  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 6674  
 Met Asp Glu Gly Val Val Lys Glu Ser Gly Asn Asp Thr Ile Asp Glu  
 1 5 10 15  
 Glu Glu Leu Ile Leu Pro Asn Arg Asn Leu Arg Asp Lys Val Glu Glu

20 25 30  
 Asn Ser Val Arg Ser Pro Arg Lys Ser Pro Arg Leu Met Ala Gln Glu  
 35 40 45  
 Gln Val Arg Ser Leu Arg Gln  
 50 55

<210> 6675  
 <211> 267  
 <212> PRT  
 <213> Homo sapiens

<400> 6675  
 Met Gly Glu Glu Thr Ile Gly Lys Lys Leu Pro Ala Thr Thr Ala Thr  
 1 5 10 15  
 Pro Asp Ser Ser Lys Thr Glu Met Asp Ser Arg Thr Lys Ser Lys Asp  
 20 25 30  
 Tyr Cys Lys Val Ile Phe Pro Tyr Glu Ala Gln Asn Asp Asp Glu Leu  
 35 40 45  
 Thr Ile Lys Glu Gly Asp Ile Val Thr Leu Ile Asn Lys Asp Cys Ile  
 50 55 60  
 Asp Val Gly Trp Trp Glu Gly Glu Leu Asn Gly Arg Arg Gly Val Phe  
 65 70 75 80  
 Pro Asp Asn Phe Val Lys Leu Leu Pro  
 85

<210> 6676  
 <211> 222  
 <212> PRT  
 <213> Homo sapiens

<400> 6676  
 Met Arg Lys Asn Glu Phe Gly Leu Arg Arg Leu Ile Pro Tyr Trp Lys  
 1 5 10 15  
 Thr Gly Ile Val Asp Ile Tyr Arg Ala Gly Leu Arg Thr Arg Trp Glu  
 20 25 30  
 Leu Glu Asp Val Arg Glu Gly Asp Pro Asp Phe Ser Lys Glu Gly Ser  
 35 40 45  
 Lys Trp Leu Leu Arg Ser Trp Val Gln Ile Phe Met Gly Leu Ser Val  
 50 55 60  
 Thr Leu Met Met Ser His Leu Arg Gln Glu  
 65 70

<210> 6677  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6677  
 Met His Gly Trp Lys Gly Thr Trp Met Val Ala Ala Trp Ile Asp Asp  
 1 5 10 15  
 Tyr Tyr Val Ser Pro Asn Ser Met Ser Val His Phe Pro Lys Pro His  
 20 25 30  
 Gln Gly Val Lys Ser His Ala Pro Gly Glu Cys Phe Gln Leu Lys Asn  
 35 40 45

Ser Val Ile Gln His His Ile Ser Phe Cys Pro Ala  
 50 55 60

<210> 6678  
 <211> 222  
 <212> PRT  
 <213> Homo sapiens

<400> 6678  
 Met Gln Trp Arg Asp Leu Ser Ser Leu Gln Pro Pro Pro Gly Phe  
 1 5 10 15  
 Lys Arg Phe Ser Cys Leu Ser Thr Ser Ser Ser Trp Asp Tyr Arg Arg  
 20 25 30  
 Ala Pro Pro Arg Pro Asp Glu Lys Thr Glu Ala Gln Arg Gly Glu Ile  
 35 40 45  
 Arg Pro Pro Glu Cys Ser Ser Pro Arg Leu Arg Lys Ile Lys Cys Tyr  
 50 55 60  
 Pro Ser Leu Lys Ile His Pro Ser Ser Ala  
 65 70

<210> 6679  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 6679  
 Met Leu Cys Phe Val Ser Ala Lys Asn Xaa Thr Arg Tyr His Leu Met  
 1 5 10 15  
 Ala Ser Trp Phe Lys Ser Val Phe Leu Leu Arg Arg Glu Arg Leu Pro  
 20 25 30  
 Leu Glu Tyr Ser Ala Phe Asn Lys Leu Pro Asn Gln Leu Ser Ser Ala  
 35 40 45  
 Lys Arg Ser Pro Ser Leu Ala  
 50 55

<210> 6680  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 6680  
 Met Glu Leu Lys Ser Pro Glu Glu Glu Val Val Ala Ala Leu Pro Glu  
 1 5 10 15  
 Gly Met Arg Pro Asp Ser Asn Leu Tyr Gly Phe Pro Trp Glu Leu Val  
 20 25 30  
 Ile Cys Ala Ala Val Val Gly Phe Phe Ala Val Leu Phe Phe Leu Trp  
 35 40 45  
 Arg Ser Phe Xaa Ser Val Arg Ser Arg Leu Tyr Val Gly Arg  
 50 55 60

<210> 6681  
 <211> 315  
 <212> PRT  
 <213> Homo sapiens



<400> 6681

Met Lys Ala Gln Lys Ser Gly Lys Glu Gln Gln Leu Asp Ile Met Asn  
 1 5 10 15  
 Lys Gln Tyr Gln Gln Leu Glu Ser Arg Leu Asp Glu Ile Leu Ser Arg  
 20 25 30  
 Ile Ala Lys Glu Thr Glu Glu Ile Lys Asp Leu Glu Glu Gln Leu Thr  
 35 40 45  
 Glu Gly Gln Ile Ala Ala Asn Glu Ala Leu Lys Lys Asp Leu Glu Gly  
 50 55 60  
 Val Ile Ser Gly Leu Gln Glu Tyr Leu Gly Thr Ile Lys Gly Gln Ala  
 65 70 75 80  
 Thr Gln Ala Gln Asn Glu Cys Arg Lys Leu Arg Asp Glu Lys Glu Thr  
 85 90 95  
 Leu Leu Gln Arg Leu Thr Glu Val Glu  
 100 105

<210> 6682

<211> 189

<212> PRT

<213> Homo sapiens

<400> 6682

Met Xaa Ala Arg Glu Leu Arg Pro Thr Leu Pro Arg Pro Ser Glu Leu  
 1 5 10 15  
 Val Cys Leu Cys Ser Ser Trp Lys Xaa Ser Leu Trp Ile Cys Lys Tyr  
 20 25 30  
 Xaa Asn Ser Gln Lys Leu Lys Glu Arg Val Gly Val Gly Ala Gly Val  
 35 40 45  
 Val Cys Cys Arg Pro Ser Val Phe Ile Gln Ala Phe Ser Ser Pro  
 50 55 60

<210> 6683

<211> 240

<212> PRT

<213> Homo sapiens

<400> 6683

Met Cys Pro Cys Ser Arg Thr Phe Ser Ser Arg Gly His Phe Leu Ser  
 1 5 10 15  
 Asn Leu Gln Pro Thr Arg Pro Pro Val Arg Ser Thr Gln Gly His Phe  
 20 25 30  
 Xaa Asn Asp Gln Pro Pro Ala Glu Ala Asp Gly Leu Arg Gln Met Ala  
 35 40 45  
 Gly Val Thr His Ser Leu Gly Arg Xaa Leu Pro Trp Leu Pro Arg Ser  
 50 55 60  
 Asp Gln Ala Ser Leu Thr Cys Asp Gln Gln Lys Arg Leu Ile Ser Ser  
 65 70 75 80

<210> 6684

<211> 246

<212> PRT

<213> Homo sapiens

<400> 6684

Met Leu Pro Lys Leu Val Ser Asn Leu Gly Ala Thr Gly Val Asp Ser  
1 5 10 15  
Ala Gly Leu Gly Glu Arg Leu Ser Pro Ser Leu Cys Val Thr Gly Ala  
20 25 30  
Phe Thr Lys His Cys Leu Val Gly Ser Ser Leu Pro Pro Gln Val Pro  
35 40 45  
Phe Arg Gly Pro Ser His Lys Thr Pro Gly Ser Arg Ile Ser Ala Leu  
50 55 60  
Glu His Gln Ala Lys Glu Phe Arg Phe Val Phe Phe Cys Cys Ser Phe  
65 70 75 80  
Leu Phe

<210> 6685

<211> 249

<212> PRT

<213> Homo sapiens

<400> 6685

Met Thr Val Asp Ser Ser Met Ser Ser Gly Tyr Cys Ser Xaa Asp Glu  
1 5 10 15  
Glu Leu Glu Asp Cys Phe Phe Thr Ala Lys Thr Thr Phe Phe Arg Asn  
20 25 30  
Ala Gln Ser Lys His Leu Ser Lys Asn Val Cys Lys Pro Val Glu Glu  
35 40 45  
Thr Gln Arg Pro Pro Thr Leu Gln Glu Ile Lys Gln Lys Ile Asp Ser  
50 55 60  
Tyr Asn Thr Arg Xaa Lys Asn Cys Leu Gly Met Lys Leu Ser Glu Asp  
65 70 75 80  
Gly Thr Ile

<210> 6686

<211> 240

<212> PRT

<213> Homo sapiens

<400> 6686

Met Phe Leu Lys Glu Glu Val Leu Leu Asn Phe Val Ser Gln Ser Met  
1 5 10 15  
Met Gln Asn Arg His Leu Val Asp Ile Glu Phe Tyr Asn Phe Xaa Xaa  
20 25 30  
Leu Tyr Phe Lys Phe Trp Tyr Thr Cys Ala Glu Arg Ala Gly Leu Leu  
35 40 45  
His Arg Tyr Thr Cys Ala Ile Val Val Cys Cys Thr Pro Ser Asn Arg  
50 55 60  
Leu Leu His Trp Val Phe Leu Leu Met Leu Ser Leu Pro Xaa Pro Pro  
65 70 75 80

<210> 6687

<211> 162

<212> PRT

<213> Homo sapiens

<400> 6687

Met Leu Ser Asn Phe Ala Ile Lys Gly Arg Leu His Ser Phe Phe Phe  
 1 5 10 15  
 Phe Ser Glu Thr Glu Ser Arg Ser Val Thr Leu Ala Glu Glu Gln Trp  
 20 25 30  
 His Asn Leu Gly Ser Leu Arg Leu Leu Pro Ser Arg Phe Lys Arg Phe  
 35 40 45  
 Ser Cys Leu Ser Leu Leu  
 50

<210> 6688  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 6688  
 Met Ile Ile Ser Ile Asp Ala Glu Lys Thr Phe Asp Lys Ile Gln Gln  
 1 5 10 15  
 Pro Phe Met Leu Lys Thr Leu Asn Lys Leu Gly Ile Asp Gly Thr Tyr  
 20 25 30  
 Phe Lys Ile Ile Arg Ala Ile Tyr Asp Lys Pro Thr Ala Asn Ile Ile  
 35 40 45  
 Leu Asn Val Gln Lys Leu Glu Ala Phe Pro Leu Lys Thr Gly Thr Arg  
 50 55 60  
 Gln Gly Cys Pro Leu Ser  
 65 70

<210> 6689  
 <211> 387  
 <212> PRT  
 <213> Homo sapiens

<400> 6689  
 Met Leu Gln Gln Val Pro Glu Asn Ile Asn Phe Pro Ala Glu Glu Glu  
 1 5 10 15  
 Lys Ile Leu Glu Phe Trp Thr Glu Phe Asn Cys Phe Gln Glu Cys Leu  
 20 25 30  
 Lys Gln Ser Lys His Lys Pro Lys Phe Thr Phe Tyr Asp Gly Pro Pro  
 35 40 45  
 Phe Ala Thr Gly Leu Pro His Tyr Gly His Ile Leu Ala Gly Thr Ile  
 50 55 60  
 Lys Asp Ile Val Thr Arg Tyr Ala Xaa Gln Ser Gly Phe His Val Asp  
 65 70 75 80  
 Arg Arg Phe Gly Trp Asp Cys His Gly Leu Pro Val Glu Tyr Glu Ile  
 85 90 95  
 Asp Lys Thr Leu Gly Ile Arg Gly Pro Glu Asp Val Ala Lys Met Gly  
 100 105 110  
 Ile Thr Glu Tyr Asn Asn Gln Cys Arg Ala Ile Val Met Arg Tyr Ser  
 115 120 125  
 Ala

<210> 6690  
 <211> 249  
 <212> PRT  
 <213> Homo sapiens

<400> 6690

Met Leu Ala Leu Arg Asp Leu Gly Met Gly Lys Arg Glu Gly Glu Glu  
1 5 10 15  
Leu Ile Gln Ala Glu Ala Arg Cys Leu Val Glu Thr Phe Gln Gly Thr  
20 25 30  
Glu Gly Arg Pro Phe Asp Pro Ser Leu Leu Leu Ala Gln Ala Thr Ser  
35 40 45  
Asn Val Val Cys Ser Leu Leu Phe Gly Leu Arg Phe Ser Tyr Glu Asp  
50 55 60  
Lys Glu Phe Gln Ala Val Val Arg Ala Ala Gly Gly Thr Cys Trp Glu  
65 70 75 80  
Ser Ala Pro

<210> 6691

<211> 183

<212> PRT

<213> Homo sapiens

<400> 6691

Met Phe Val Cys Leu Ser Gly Ala Gln Gln Pro Gly Pro Pro Tyr Tyr  
1 5 10 15  
Thr Asp Pro Gly Gly Pro Gly Met Asn Pro Val Gly Asn Ser Met Ala  
20 25 30  
Leu Ala Phe Gln Val Pro Pro Asn Ser Pro Gln Gly Ser Val Ala Cys  
35 40 45  
Pro Pro Pro Pro Ala Tyr Cys Asn Thr Pro Pro Pro Pro  
50 55 60

<210> 6692

<211> 177

<212> PRT

<213> Homo sapiens

<400> 6692

Met Lys Xaa Xaa Ile Leu Arg Ala Ala Arg Glu Lys Gly Arg Val Thr  
1 5 10 15  
His Lys Arg Lys His Ile Arg Ile Thr Gly Asp Leu Leu Ala Glu Ile  
20 25 30  
Leu Gln Ala Arg Arg Glu Trp Gly Pro Ile Phe Lys Ile Leu Lys Glu  
35 40 45  
Lys Xaa Phe Gln Pro Arg Ile Leu Tyr Pro Ala  
50 55

<210> 6693

<211> 210

<212> PRT

<213> Homo sapiens

<400> 6693

Met Glu Thr Trp Phe Ile Lys Phe Pro Phe Pro Pro His Pro Leu Ser  
1 5 10 15  
Phe His Gly Gln Phe Thr Glu Phe Leu Ser Asn Pro Asn Leu Ser Lys  
20 25 30

Asn Ser Phe Pro Thr Ser Ala Thr Arg Ile Leu Phe Pro Pro Ser Leu  
 35 40 45  
 Tyr Gly Gly Leu Asp Asp Ser Phe Thr Gln Ser Leu Phe Phe Ser Pro  
 50 55 60  
 Asn Ile Leu Ile Ser Ser  
 65 70

<210> 6694  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6694  
 Met Phe Gln Val Asn Pro Gln Asn Asn Ser Leu Thr Glu Tyr His Pro  
 1 5 10 15  
 His Leu Thr Asp Lys Asp Ser Gly Ala Gln Gly Thr Gly Ser Val Ser  
 20 25 30  
 Met His Thr Gln Val Asp Arg Cys Pro Val Ser Phe Tyr Ser Val Gln  
 35 40 45  
 Leu Ser Pro Pro His Pro  
 50

<210> 6695  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 6695  
 Met Asp Ala Glu His Arg Glu Val Leu Pro Glu Ser Leu Pro Val Leu  
 1 5 10 15  
 His Asn Gln Arg Glu Phe Ser Met Ala Asp Phe Leu Leu Glu Thr Thr  
 20 25 30  
 Val Ser Asp Phe Gly Gln Ser His Xaa Thr Xaa Glu Lys Val Ile Ser  
 35 40 45  
 Asp Cys Glu  
 50

<210> 6696  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 6696  
 Met Met Leu Arg Gly Gly Gly Thr Phe Lys Xaa Cys Leu Ser His Glu  
 1 5 10 15  
 Gly Ser Ser Phe Thr Lys Gly Leu Ala Gln Glu Cys Val Ser Xaa Ser  
 20 25 30  
 Cys Gly Thr Arg Leu Ile Thr Ala Val Ala Ser Xaa Tyr Lys Ala Arg  
 35 40 45  
 Leu Pro Leu Ala Ala Cys Pro Leu Leu Leu Pro Ile Phe Ser His Ala  
 50 55 60  
 Arg Ser Ser  
 65

<210> 6697

<211> 300

<212> PRT

<213> Homo sapiens

<400> 6697

Met Asp Arg Tyr Leu Leu Leu Val Ile Trp Gly Glu Gly Lys Phe Pro  
1 5 10 15  
Ser Ala Ala Ser Arg Glu Ala Glu His Gly Pro Glu Val Ser Ser Gly  
20 25 30  
Glu Gly Thr Glu Asn Gln Pro Asp Phe Thr Ala Ala Asn Val Tyr His  
35 40 45  
Leu Leu Lys Arg Ser Ile Ser Ala Ser Ile Asn Pro Glu Asp Ser Thr  
50 55 60  
Phe Pro Ala Cys Ser Val Gly Gly Ile Pro Gly Ser Lys Lys Trp Phe  
65 70 75 80  
Phe Ala Val Gln Ala Ile Tyr Gly Phe Tyr Gln Phe Cys Ser Ser Asp  
85 90 95  
Trp Gln Glu Thr  
100

<210> 6698

<211> 216

<212> PRT

<213> Homo sapiens

<400> 6698

Met Asn Tyr Val Gly Gln Leu Ala Gly Gln Val Ile Val Thr Val Lys  
1 5 10 15  
Glu Leu Tyr Lys Gly Ile Asn Gln Ala Thr Leu Ser Gly Cys Ile Asp  
20 25 30  
Val Ile Val Val Gln Gln Gln Asp Gly Ser Tyr Gln Cys Ser Pro Phe  
35 40 45  
His Val Arg Phe Gly Lys Leu Gly Val Leu Arg Ser Lys Glu Lys Val  
50 55 60  
Ile Asp Ile Glu Ile Asn Gly Ser  
65 70

<210> 6699

<211> 180

<212> PRT

<213> Homo sapiens

<400> 6699

Met Ser Ala Thr Arg Ala Lys Lys Val Lys Met Ala Thr Lys Ser Cys  
1 5 10 15  
Pro Glu Cys Asp Gln Gln Val Pro Val Ala Cys Lys Ser Cys Pro Cys  
20 25 30  
Gly Tyr Ile Phe Ile Ser Arg Lys Leu Leu Asn Ala Lys His Ser Glu  
35 40 45  
Lys Ser Pro Pro Ser Thr Glu Asn Lys His Glu Cys  
50 55 60

<210> 6700

<211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6700  
 Met Pro Asp Leu Pro Leu Leu Ser Gln Ala Phe Ser Ala Trp Glu Pro  
 1 5 10 15  
 Asp Pro Glu Pro Gln Pro Trp Val Thr Asp Arg Arg Ile Gln Val Asn  
 20 25 30  
 Val Pro Gln Ala Leu Leu Ser Asp Arg Ser His Ser Leu Leu Ser Pro  
 35 40 45  
 Gly Gly Ser Leu Ala His  
 50

<210> 6701  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6701  
 Met Arg Ser Pro Pro Cys Gly Leu Leu Arg Trp Phe Gly Xaa Pro Leu  
 1 5 10 15  
 Leu Ala Ser Trp Cys Arg Cys His Leu Arg Phe Arg Ala Phe Gly Thr  
 20 25 30  
 Ser Ala Gly Trp Tyr Arg Ala Phe Pro Ala Pro Pro Pro Leu Leu Pro  
 35 40 45  
 Pro Ala Cys Pro Ser Pro Arg Asp Tyr Arg Pro His  
 50 55 60

<210> 6702  
 <211> 270  
 <212> PRT  
 <213> Homo sapiens

<400> 6702  
 Met Ser Met Tyr Gln Ser Tyr Gly Ser Pro Ser Gln Tyr Gly Met Ala  
 1 5 10 15  
 Gly Ser Tyr Gly Ser Ala Xaa Pro Gln Gln Pro Ser Ala Pro Gln His  
 20 25 30  
 Gln Gly Thr Leu Asn Xaa Xaa Pro Val Pro Gly Met Asp Glu Ser Met  
 35 40 45  
 Xaa Tyr Gln Xaa Pro Pro Gln Gln Leu Pro Ser Ala Gln Xaa Pro Gln  
 50 55 60  
 Pro Ser Asn Pro Pro His Gly Ala His Thr Leu Asn Ser Gly Pro Xaa  
 65 70 75 80  
 Pro Gly Thr Ala Pro Ala Thr Gln His Ser  
 85 90

<210> 6703  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 6703

004220-6667560

Met Cys Asn Asp Gln Val Arg Val Ser Glu Glu Ser Met Thr Leu Ser  
 1 5 10 15  
 Ile Cys His Ser Val Leu Gly Thr Ile Ser Leu Phe Cys Asn Met Ser  
 20 25 30  
 Tyr Ile Val Val Asn Tyr Ser His Ser Ala Leu Met Ser Asn Tyr Arg  
 35 40 45  
 Thr Tyr Thr Phe Tyr Leu Thr Val Tyr Leu Tyr Leu Leu Ile Tyr Phe  
 50 55 60  
 Ser Ser Ser Pro Pro Pro Asp  
 65 70

<210> 6704  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 6704  
 Met Asp Leu Pro Cys Met Pro Arg Ile Pro Gly Asp Glu His Val Pro  
 1 5 10 15  
 Gln Glu Arg Pro Asn Ser Thr Leu Phe Ser Arg Val Ile Arg Ile Val  
 20 25 30  
 Pro Val Arg Gly Pro Ser Ile Thr Glu Lys Phe Ser Ser Gly Ser Pro  
 35 40 45  
 Leu Leu Ala Arg Asp Gly Xaa Leu Thr Glu Gly Glu Ala Asp Arg  
 50 55 60

<210> 6705  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 6705  
 Met Gly Pro Ser Ser Phe Ser Lys Thr Ser Ser Gly Leu Pro Leu Ile  
 1 5 10 15  
 Leu Arg Tyr Gly Glu Leu Tyr Asn Tyr Phe Ile Ile Tyr Cys Asn Val  
 20 25 30  
 Ile Ile Ile Gln Ile Thr Cys Thr Ile Asn Ile Met His Leu Asn His  
 35 40 45  
 Pro Glu Thr Thr Leu Arg Pro Pro  
 50 55

<210> 6706  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 6706  
 Met Asn Asp Ser Thr Arg Glu Glu Gly Ser Leu Gly Gly His His Leu  
 1 5 10 15  
 Pro Ser Thr Thr Gly Gln Ser Pro Gly Ser Tyr Thr Pro Ala Thr Gly  
 20 25 30  
 Ser Ser Cys Gly Leu Trp Leu Gln Ser Ser Ser Pro Gln Ser Leu Lys  
 35 40 45  
 Pro Thr Leu Ala Gln Thr Pro Val Pro Gln Pro Gln Pro Gln Ala



50

55

60

&lt;210&gt; 6707

&lt;211&gt; 171

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 6707

Met	Lys	Asp	Lys	Ala	Gly	Gln	Lys	Cys	Lys	Pro	Ile	Asp	Val	Phe	Asp
1			5						10					15	
Phe	Pro	Asp	Asn	Ser	Asp	Val	Ser	Ser	Ile	Gly	Arg	Leu	Gly	Glu	Asn
			20					25					30		
Glu	Lys	Asp	Glu	Glu	Thr	Tyr	Glu	Thr	Phe	Asp	Pro	Pro	Leu	His	Ser
		35					40					45			
Thr	Ala	Ile	Tyr	Ala	Asp	Glu	Glu	Glu							
	50						55								

&lt;210&gt; 6708

&lt;211&gt; 177

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 6708

Met	Cys	Gly	Thr	Ser	Gly	Pro	Ala	Thr	Asp	Ser	His	Gly	Ala	Gly	Thr
1			5						10					15	
Cys	Ala	Ser	Ala	Arg	Ser	Cys	Pro	Ser	Cys	Arg	Ser	Asn	Gln	Arg	Thr
			20					25					30		
Trp	Leu	Cys	Thr	Val	Ala	Gly	Pro	Cys	Ala	Thr	Ser	Leu	Asp	His	Thr
		35					40					45			
Pro	Ala	Lys	Gly	Lys	Pro	Gly	Val	Lys	Gln	Gln					
	50						55								

&lt;210&gt; 6709

&lt;211&gt; 351

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 6709

Met	Glu	Gly	Gly	Gly	Gly	Arg	Asp	Glu	Pro	Ser	Ala	Cys	Arg	Ala	Gly
1			5						10					15	
Asp	Val	Asn	Met	Asp	Asp	Pro	Lys	Lys	Glu	Asp	Ile	Leu	Leu	Leu	Ala
			20					25					30		
Asp	Glu	Lys	Phe	Asp	Phe	Asp	Leu	Ser	Leu	Ser	Ser	Ser	Ser	Ala	Asn
		35					40				45				
Glu	Asp	Asp	Glu	Val	Phe	Phe	Gly	Pro	Phe	Gly	His	Lys	Glu	Arg	Cys
	50					55				60					
Ile	Ala	Ala	Ser	Leu	Glu	Leu	Asn	Asn	Pro	Val	Pro	Glu	Gln	Pro	Pro
65				70					75					80	
Leu	Pro	Thr	Ser	Glu	Ser	Pro	Phe	Ala	Trp	Ser	Pro	Leu	Ala	Gly	Glu
			85						90					95	
Lys	Phe	Val	Glu	Val	Tyr	Lys	Glu	Ala	His	Leu	Leu	Ala	Leu	His	Ile
			100					105					110		
Glu	Ser	Ser	Ser	Arg											
			115												

<210> 6710  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 6710  
 Met Val Thr Pro Leu Pro Asn Leu Leu Leu Ser Gly Leu Gln Gln Gly  
 1 5 10 15  
 Lys Ala Pro Phe Gly Ala Thr Met His Val Pro Asn Leu Ser Ser Thr  
 20 25 30  
 Phe Tyr Ser Pro Leu Phe Asn Thr Glu Ser Ala Asp Ala Gly Trp Val  
 35 40 45  
 Pro Ser Ala Glu Ser Thr Pro  
 50 55

<210> 6711  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6711  
 Met Arg Leu Pro Asp Pro Phe Thr Pro Asn Leu Lys Val Asp Met Leu  
 1 5 10 15  
 Ser Glu Ile Asn Ile Ala Pro Arg Ile Leu Thr Asn Phe Thr Gly Val  
 20 25 30  
 Met Pro Pro Gln Phe Lys Lys Asp Leu Asp Ser Tyr Leu Lys Thr Arg  
 35 40 45  
 Ser Pro Val Thr Phe Leu Ser Asp Leu Arg Xaa Gln  
 50 55 60

<210> 6712  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6712  
 Met Glu Glu His Ser Met Leu Met Gly Arg Lys Arg Ile Asn Ile Val  
 1 5 10 15  
 Lys Met Ala Ile Leu Pro Lys Val Ile Tyr Arg Phe Asn Ala Ile Pro  
 20 25 30  
 Ile Lys Leu Pro Met Thr Phe Phe Thr Glu Leu Glu Lys Thr Thr Leu  
 35 40 45  
 Lys Phe Ile Trp Asn Leu  
 50

<210> 6713  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6713  
 Met Ala Val Val Ser Glu Asp Asp Phe Gln His Ser Ser Asn Ser Thr  
 1 5 10 15

Tyr Arg Thr Thr Ser Ser Ser Leu Arg Ala Asp Gln Glu Ala Leu Leu  
                   20                  25                  30  
 Glu Lys Leu Leu Asp Arg Pro Pro Pro Gly Leu Gln Arg Pro Glu Asp  
                   35                  40                  45  
 Arg Phe Cys Gly Thr Tyr Ile Ile Phe Phe Ser Leu  
           50                  55                  60

<210> 6714

<211> 240

<212> PRT

<213> Homo sapiens

<400> 6714

Met Leu Ala Met Cys Ser His Thr Xaa Arg Ala Xaa Met Met Ala Lys  
 1                  5                  10                  15  
 Xaa Ser Leu Pro Lys Pro Arg Trp Ala Glu Ser Gly Asp Pro Trp Leu  
                   20                  25                  30  
 Pro Xaa Val Cys Glu Val Asn Tyr Thr Pro Leu His Gly Xaa Glu Thr  
                   35                  40                  45  
 Arg Phe Leu Trp Leu Ile Ile Leu Xaa Leu Asn Val Gly Asn Ser Pro  
           50                  55                  60  
 Thr Leu Ile Xaa Ser Phe Val Asp Tyr Leu Met Leu Tyr Asn Thr Ala  
 65                  70                  75                  80

<210> 6715

<211> 183

<212> PRT

<213> Homo sapiens

<400> 6715

Met Thr His Leu Leu Asp Phe Pro His Ser Thr His Val Lys Ser Cys  
 1                  5                  10                  15  
 Phe Gln Asn Met Glu Ile Cys Lys Arg Arg Val Asn Met Tyr Asp Thr  
                   20                  25                  30  
 Val Asn Gln Ser Lys Thr Pro Phe Ile Thr His Val Ala Pro Ser Thr  
                   35                  40                  45  
 Ser Thr Asn Leu Thr Met Thr Phe Asn Asn Gln Leu Thr  
           50                  55                  60

<210> 6716

<211> 153

<212> PRT

<213> Homo sapiens

<400> 6716

Met Ala Gly Thr Pro Pro Pro Thr Lys Gln Val Ile Ser Ala Phe Pro  
 1                  5                  10                  15  
 Thr Glu Val Pro Gly Ser Ser His Trp Asp Trp Leu Asp Ser Gly Cys  
                   20                  25                  30  
 Ser Pro Trp Arg Ala Ser Arg Ser Arg Val Glu Cys Cys Leu Ser Arg  
           35                  40                  45  
 Glu Ala Gln  
           50

<210> 6717  
 <211> 357  
 <212> PRT  
 <213> Homo sapiens

<400> 6717  
 Met Ala Pro Ile Ser Leu Ser Trp Leu Leu Arg Leu Ala Thr Phe Cys  
 1 5 10 15  
 His Leu Thr Val Leu Leu Ala Gly Gln His His Gly Val Thr Lys Cys  
 20 25 30  
 Asn Ile Thr Cys Ser Lys Met Thr Ser Lys Ile Pro Val Ala Leu Leu  
 35 40 45  
 Ile His Tyr Gln Gln Asn Gln Ala Ser Cys Gly Lys Arg Ala Ile Ile  
 50 55 60  
 Leu Glu Thr Arg Gln His Arg Leu Phe Cys Ala Asp Pro Lys Ser Asn  
 65 70 75 80  
 Gly Ser Arg Thr Arg Cys Ser Ile Trp Thr Ala Ser Cys Cys Pro Asn  
 85 90 95  
 Ser Lys Trp Arg His Leu Arg Glu Ala Asp Arg Arg Gly Glu Ala Arg  
 100 105 110  
 Thr Thr Pro Ala Ala Gly Gly  
 115

<210> 6718  
 <211> 288  
 <212> PRT  
 <213> Homo sapiens

<400> 6718  
 Met Leu Tyr Ser Met Leu Gln Gly Leu Asp Thr Val Pro Val Pro Cys  
 1 5 10 15  
 Gly Ile Gly Pro Lys Met Asp Gly Met Thr Glu Trp Gly Asn Val Lys  
 20 25 30  
 Pro Ser Val Ile Lys Gln Thr Ser Ala Phe Val Glu Gly Val Lys Met  
 35 40 45  
 Arg Thr Tyr Lys Pro Leu Met Asp Arg Pro Lys Cys Gln Gly Leu Glu  
 50 55 60  
 Ser Arg Ile Gln His Phe Val Arg Arg Gly Arg Ile Glu His Pro His  
 65 70 75 80  
 Leu Phe His Glu Glu Glu Thr Lys Ala Lys Arg Asp Cys Asn Asp Thr  
 85 90 95

<210> 6719  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6719  
 Met Ser Arg Asn Cys Ser Leu Gly Leu Gln Ser Xaa Arg Pro Ser Ala  
 1 5 10 15  
 Arg Asp Phe Gln Arg Ala Ala Pro Lys Ala Gln Cys Arg Gly Ala Arg  
 20 25 30  
 Gly Ala Cys Ala Glu Gly Ser Leu Pro Gly Glu Ala Gly Arg Trp Glu  
 35 40 45

Ser Asn Ala Val Arg Ser Ile Cys Met Gln Trp Val  
 50 55 60

<210> 6720  
 <211> 270  
 <212> PRT  
 <213> Homo sapiens

<400> 6720  
 Met Phe Ile Glu Ala Leu Phe Thr Ile Ala Lys Thr Trp Asn Gln Pro  
 1 5 10 15  
 Lys Cys Pro Thr Met Ile Asp Trp Ile Lys Lys Met Trp His Ile Tyr  
 20 25 30  
 Thr Met Glu Tyr Tyr Ala Ala Ile Lys Asn Asp Glu Phe Met Ser Phe  
 35 40 45  
 Val Gly Thr Trp Met Lys Leu Glu Thr Ile Ile Leu Ser Lys Leu Ser  
 50 55 60  
 Gln Glu Gln Lys Thr Lys His Arg Xaa Ile Leu Thr His Arg Trp Glu  
 65 70 75 80  
 Leu Asn Asn Glu Ile Thr Trp Thr Gln Glu  
 85 90

<210> 6721  
 <211> 270  
 <212> PRT  
 <213> Homo sapiens

<400> 6721  
 Met Glu Lys Leu Met Pro Arg Val Ile Ser Gln Asp Met His Ile Thr  
 1 5 10 15  
 Gly Lys Cys Val Phe Ile Gln Ile Pro Thr Thr His Gln Pro Cys Asp  
 20 25 30  
 Leu Gly Gln Leu Arg Thr Ser Lys Glu Gly Leu Ala Leu Leu Ser Met  
 35 40 45  
 Leu Glu Cys Ser Gly Met Ser Ile Ala His Cys Ser Leu Asn Leu Pro  
 50 55 60  
 Gly Ile Ser Asn Pro Pro Ala Ser Ala Phe Arg Val Ala Gly Thr Thr  
 65 70 75 80  
 Gly Val His Arg His Ala Gln Leu Ile Phe  
 85 90

<210> 6722  
 <211> 216  
 <212> PRT  
 <213> Homo sapiens

<400> 6722  
 Met Asp Asp Lys Ser Glu Asp Ser Met Ser Val Ser Thr Leu Ser Phe  
 1 5 10 15  
 Xaa Val Asn Arg Pro Ile Thr Gly Ser Phe Asp His Thr Val Val Val  
 20 25 30  
 Trp Asp Ala Asp Thr Gly Arg Lys Val Asn Ile Leu Ile Gly His Cys  
 35 40 45  
 Ala Glu Ile Ser Ser Ala Ser Phe Asn Trp Asp Cys Ser Leu Ile Leu

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50 55 60  
 Thr Gly Ser Met Asp Lys Thr Cys  
 65 70

<210> 6723  
 <211> 204  
 <212> PRT  
 <213> Homo sapiens

<400> 6723  
 Met Leu Arg Lys His Thr Phe Gly Lys Lys Arg Glu Ser Gln His Pro  
 1 5 10 15  
 Asn Ser Val Thr Tyr Asp Leu Leu Tyr Phe Leu Gly Leu Pro Ser Glu  
 20 25 30  
 His Val Tyr Phe Tyr Leu Thr Phe Glu Val Ile Thr Val Thr Ala Tyr  
 35 40 45  
 Ile Gln Ser Ser Phe Cys Phe Leu Asn Leu Asn Ser Ile Asp Ile Phe  
 50 55 60  
 Pro Cys His Ser  
 65

<210> 6724  
 <211> 279  
 <212> PRT  
 <213> Homo sapiens

<400> 6724  
 Met Leu Pro Asp Leu His Ala Leu Tyr Phe Phe Val Leu Pro Asp Tyr  
 1 5 10 15  
 Ser Val Ser Asp Leu Leu Tyr Phe Val Lys Arg Cys Glu Ser Gly His  
 20 25 30  
 Thr Cys Phe Val Ser Asp Tyr Arg Glu Lys Ala Phe Ser Thr Phe Pro  
 35 40 45  
 Leu Cys Met Met Leu Ala Val Gly Met Leu Leu Ile Thr Phe Ile Met  
 50 55 60  
 Leu Arg Tyr Val Leu Ser Ile Ile Ile Ile Ile Xaa Xaa Asn Phe Phe  
 65 70 75 80  
 Phe Glu Met Glu Ser Arg Ser Val Thr Gln Leu Glu Cys  
 85 90

<210> 6725  
 <211> 255  
 <212> PRT  
 <213> Homo sapiens

<400> 6725  
 Met Pro Glu Leu Asn Arg Leu Arg Lys Lys Leu Asn Lys Lys Tyr Pro  
 1 5 10 15  
 Lys Leu Ser Arg Asn Ser Ile Gly Arg Asp Ile Pro Lys Met Leu Glu  
 20 25 30  
 Leu Phe Lys Asn Gly His Glu Ile Lys Val Asp Glu Glu Arg Glu Asn  
 35 40 45  
 Phe Leu Gln Thr Lys Ile Ala Thr Leu Asp Met Ser Ser Asp Gln Ile  
 50 55 60

Ala Ala Asn Leu Gln Ala Val Ile Asn Glu Val Cys Arg His Arg Pro  
 65 70 75 80  
 Leu Asn Leu Gly Thr  
 85

<210> 6726  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 6726  
 Met Ser Thr Gly Thr Gln Pro Lys Thr Lys Lys Leu Arg Gln Lys Lys  
 1 5 10 15  
 His Val Thr Gly Ser Val Leu Pro Gly Ser Arg Asn Thr Leu Ser Tyr  
 20 25 30  
 Met Arg Ile His Asn Phe Pro Ser Xaa Leu Trp Leu Ser Arg Met Ile  
 35 40 45  
 Met Ile Phe Leu Lys Gly Pro Cys Arg Thr Ser Leu Gln Thr Thr Lys  
 50 55 60  
 Tyr  
 65

<210> 6727  
 <211> 252  
 <212> PRT  
 <213> Homo sapiens

<400> 6727  
 Met Phe Thr Ala Met Pro Pro Leu Thr Leu Gly Ile Phe Glu Arg Ser  
 1 5 10 15  
 Cys Arg Lys Glu Asn Met Leu Lys Tyr Pro Glu Leu Tyr Lys Thr Ser  
 20 25 30  
 Gln Asn Ala Leu Asp Phe Asn Thr Lys Val Phe Trp Val His Cys Leu  
 35 40 45  
 Asn Gly Leu Phe His Ser Val Ile Leu Phe Trp Phe Pro Leu Lys Ala  
 50 55 60  
 Leu Gln Tyr Gly Thr Ala Phe Gly Asn Gly Lys Thr Ser Asp Tyr Leu  
 65 70 75 80  
 Leu Leu Gly Arg

<210> 6728  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 6728  
 Met Lys Phe Gln His Cys Leu Leu His Thr Ser Cys Tyr Cys Lys Gly  
 1 5 10 15  
 Asn Tyr Leu Ser Ser Leu Ser Phe Gln Glu Pro Leu Leu Trp Ile Ile  
 20 25 30  
 Pro Ser Pro Cys Leu Ser Asn Asn Ser Phe Val Lys Ile Ser Leu Leu  
 35 40 45  
 Pro Ile Arg Cys Ala Glu Val Pro His Val Val  
 50 55

<210> 6729  
 <211> 417  
 <212> PRT  
 <213> Homo sapiens

<400> 6729  
 Met Ala Gly Ser Val Ala Asp Ser Asp Ala Val Val Lys Leu Asp Asp  
 1 5 10 15  
 Gly His Leu Asn Asn Ser Leu Ser Ser Pro Val Gln Ala Asp Val Tyr  
 20 25 30  
 Phe Pro Arg Leu Ile Val Pro Phe Cys Gly His Ile Lys Gly Gly Met  
 35 40 45  
 Arg Pro Gly Lys Lys Val Leu Val Met Gly Ile Val Asp Leu Asn Pro  
 50 55 60  
 Glu Ser Phe Ala Ile Ser Leu Thr Cys Gly Asp Ser Glu Asp Pro Pro  
 65 70 75 80  
 Ala Asp Val Ala Ile Glu Leu Lys Ala Val Phe Thr Asp Arg Gln Leu  
 85 90 95  
 Leu Arg Asn Ser Cys Ile Ser Gly Glu Arg Gly Glu Glu Gln Ser Ala  
 100 105 110  
 Ile Pro Tyr Phe Pro Phe Ile Pro Asp Gln Pro Phe Arg Trp Lys Phe  
 115 120 125  
 Phe Val Ser Thr Thr Phe Pro Ser Val Cys Gly  
 130 135

<210> 6730  
 <211> 288  
 <212> PRT  
 <213> Homo sapiens

<400> 6730  
 Met Ser Glu Glu Leu Ala Gln Leu Glu Ser Ile Leu Lys Glu Ala Glu  
 1 5 10 15  
 Ser Ala Ser Glu Asn Glu Glu Ile Asp Ile Ser Lys Ala Ala Gln Thr  
 20 25 30  
 Thr Ile Glu Thr Ala Ile His Ser Leu Ile Glu Thr Leu Lys Asn Lys  
 35 40 45  
 Glu Phe Ile Ser Ala Val Ala Gln Val Lys Ala Phe Arg Ser Leu Trp  
 50 55 60  
 Pro Ser Asp Ile Phe Gly Ser Cys Glu Asp Asp Pro Val Gln Thr Leu  
 65 70 75 80  
 Leu His Ile Tyr Phe His His Xaa Asp Ala Gly Pro Asp Arg Lys Gln  
 85 90 95

<210> 6731  
 <211> 366  
 <212> PRT  
 <213> Homo sapiens

<400> 6731  
 Met Glu Glu Lys Glu Ile Leu Arg Arg Gln Ile Arg Leu Leu Gln Gly  
 1 5 10 15  
 Leu Ile Asp Asp Tyr Lys Thr Leu His Gly Asn Ala Pro Ala Pro Gly



20 25 30  
 Thr Pro Ala Ala Ser Gly Trp Gln Pro Pro Thr Tyr His Ser Gly Arg  
 35 40 45  
 Ala Phe Ser Ala Arg Tyr Pro Arg Pro Ser Arg Arg Gly Tyr Ser Ser  
 50 55 60  
 His His Gly Pro Ser Trp Arg Lys Lys Tyr Ser Leu Val Asn Arg Pro  
 65 70 75 80  
 Xaa Gly Xaa Ser Asp Pro Pro Ala Asp His Ala Val Arg Xaa Leu His  
 85 90 95  
 Gly Ala Arg Gly Gly Gln Pro Pro Val Pro Gln Gln His Val Leu Glu  
 100 105 110  
 Arg Gln Val Gln Leu Ser Gln Gly Gln Asn  
 115 120

<210> 6732  
 <211> 393  
 <212> PRT  
 <213> Homo sapiens

<400> 6732  
 Met Ser Met Ile Leu Ser Ala Ser Val Ile Arg Val Arg Asp Gly Leu  
 1 5 10 15  
 Pro Leu Ser Ala Ser Thr Asp Tyr Glu Gln Ser Thr Gly Met Gln Glu  
 20 25 30  
 Cys Arg Lys Tyr Phe Lys Met Leu Ser Arg Lys Leu Ala Gln Leu Pro  
 35 40 45  
 Asp Arg Cys Thr Leu Lys Thr Gly His Tyr Asn Ile Asn Phe Ile Ser  
 50 55 60  
 Ser Leu Gly Val Ser Tyr Met Met Leu Cys Thr Glu Asn Tyr Pro Asn  
 65 70 75 80  
 Val Leu Ala Phe Ser Phe Leu Asp Glu Leu Gln Lys Glu Phe Ile Thr  
 85 90 95  
 Thr Tyr Asn Met Met Lys Thr Asn Thr Ala Val Arg Pro Tyr Cys Phe  
 100 105 110  
 Ile Glu Phe Asp Thr Ser Phe Arg Gly Pro Ser Ser Asp Ile Ile Ile  
 115 120 125  
 Pro Gly Leu  
 130

<210> 6733  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 6733  
 Met Ala Pro Thr Val Gln Lys Cys Lys Gly Arg Glu Leu Arg Arg His  
 1 5 10 15  
 Arg His Phe Leu Ser Pro Leu Lys Thr Phe Ala Tyr Met Ala Gly Cys  
 20 25 30  
 Trp Arg Lys Asp Leu Leu Ser Ser Leu Pro Lys Asp Asp Phe Leu Lys  
 35 40 45  
 Leu His Ser Lys Ser Leu Phe Ile Ser Leu Gln Ser Asp Ala Gly Thr  
 50 55 60  
 Asp Gly Lys Ala Pro

65

<210> 6734  
 <211> 300  
 <212> PRT  
 <213> Homo sapiens

<400> 6734  
 Met Ser Tyr Thr Pro Gly Val Gly Gly Asp Pro Ala Gln Leu Ala Gln  
 1 5 10 15  
 Arg Ile Ser Ser Asn Ile Gln Lys Ile Thr Gln Cys Ser Val Glu Ile  
 20 25 30  
 Gln Arg Thr Leu Asn Gln Leu Gly Thr Pro Gln Asp Ser Pro Glu Leu  
 35 40 45  
 Arg Gln Gln Leu Gln Gln Lys Gln Gln Tyr Thr Asn Gln Leu Ala Lys  
 50 55 60  
 Glu Thr Asp Lys Tyr Ile Lys Glu Phe Gly Ser Leu Pro Thr Thr Pro  
 65 70 75 80  
 Ser Glu Gln Arg Gln Arg Lys Ile Gln Lys Asp Arg Leu Val Ala Glu  
 85 90 95  
 Phe Thr Thr Ser  
 100

<210> 6735  
 <211> 225  
 <212> PRT  
 <213> Homo sapiens

<400> 6735  
 Met Lys Glu Lys Met Leu Arg Val Ala Arg Glu Lys Gly Arg Val Thr  
 1 5 10 15  
 His Lys Gly Lys Pro Ile Arg Leu Thr Ala Asp Leu Ser Ala Glu Thr  
 20 25 30  
 Leu Gln Ala Arg Arg Glu Trp Gly Pro Ile Phe Asn Ile Leu Lys Glu  
 35 40 45  
 Lys Asp Phe His Pro Arg Ile Ser Tyr Ala Ala Lys Leu Asn Phe Val  
 50 55 60  
 Ser Glu Gly Glu Ile Lys Tyr Phe Thr Asp Lys  
 65 70 75

<210> 6736  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 6736  
 Met Tyr Pro Asn Trp Gly Arg Tyr Gly Gly Ser Ser His Tyr Pro Pro  
 1 5 10 15  
 Pro Pro Val Pro Pro Pro Pro Val Ala Leu Pro Glu Ala Ser Pro  
 20 25 30  
 Gly Pro Gly Tyr Ser Ser Ser Thr Thr Pro Ala Ala Pro Ser Ser Ser  
 35 40 45  
 Gly Phe Met Ser Phe Arg Glu Gln His Leu Ala Xaa Ser Ser Ser Cys  
 50 55 60

Ser Arg Cys Thr Arg Ser Lys Cys Ser Ala Cys Phe Ser Pro His  
65 70 75

<210> 6737  
<211> 231  
<212> PRT  
<213> Homo sapiens

<400> 6737  
Met Glu Ala Glu Glu Thr Met Glu Cys Leu Gln Glu Phe Pro Glu His  
1 5 10 15  
His Lys Met Ile Leu Asp Arg Leu Asn Glu Gln Arg Glu Gln Asp Arg  
20 25 30  
Phe Thr Asp Ile Thr Leu Ile Val Asp Gly His His Phe Lys Ala His  
35 40 45  
Lys Ala Val Leu Ala Ala Cys Ser Lys Phe Phe Tyr Lys Phe Phe Gln  
50 55 60  
Glu Phe Thr Gln Glu Pro Leu Val Glu Ile Glu Gly Ala  
65 70 75

<210> 6738  
<211> 219  
<212> PRT  
<213> Homo sapiens

<400> 6738  
Met Asp Met Val Ser Asn Gln His Pro Trp Phe Gly Met Glu Gln Glu  
1 5 10 15  
Tyr Thr Leu Met Gly Thr Asp Gly His Pro Phe Gly Trp Pro Ser Asn  
20 25 30  
Gly Phe Pro Gly Pro Gln Gly Pro Tyr Tyr Cys Gly Val Gly Ala Asp  
35 40 45  
Arg Ala Tyr Gly Arg Asp Ile Val Glu Ala His Tyr Arg Ala Cys Leu  
50 55 60  
Tyr Ala Gly Val Lys Ile Ala Gly Cys  
65 70

<210> 6739  
<211> 309  
<212> PRT  
<213> Homo sapiens

<400> 6739  
Met Lys Lys Ser Val Gly Ile Ile Lys Thr Lys Ala Gly Thr Asp Ser  
1 5 10 15  
Leu Cys Arg Arg Arg Glu Gly Thr Arg Asp Ser Gly Arg Ala Ser Arg  
20 25 30  
Glu His Pro Gln Leu Cys Phe Leu Arg Phe Tyr Ser Leu Asn Leu Val  
35 40 45  
Glu Val Leu Cys Val Gln Cys Val Asn Ile Leu Tyr Thr Leu Pro Ile  
50 55 60  
Leu Tyr Lys Cys Phe Ile Ser Ile Gln Tyr Leu Glu Gly Ser Tyr Lys  
65 70 75 80  
Xaa Asp Ala Phe Asn Ser Lys Val Ala Asp Glu His Gln Glu Gly Thr

85  
Phe Met Ser Phe His Pro Arg  
100

90

95

<210> 6740  
<211> 198  
<212> PRT  
<213> Homo sapiens

<400> 6740  
Met Ser Gln Glu Pro Leu Ser Phe Lys Asp Val Ala Val Val Phe Thr  
1 5 10 15  
Glu Glu Glu Leu Glu Leu Leu Asp Ser Thr Gln Arg Gln Leu Tyr Gln  
20 25 30  
Asp Val Met Gln Glu Asn Phe Arg Asn Leu Leu Ser Val Gly Glu Arg  
35 40 45  
Asn Pro Leu Gly Asn Trp Xaa Xaa Thr Ser Trp Ser Val Leu Val Pro  
50 55 60  
Gly Arg  
65

<210> 6741  
<211> 225  
<212> PRT  
<213> Homo sapiens

<400> 6741  
Met Val Ala Leu Arg Leu Glu His Gln Arg Leu Ser Ala Lys Leu Lys  
1 5 10 15  
Asp Tyr Tyr Ile Phe Asn Lys Tyr Leu Glu Lys Val Val Glu Asn Ser  
20 25 30  
Glu Glu Ser Arg Trp Ala His Ile Gln Asn Thr Ala Ala Lys Lys Thr  
35 40 45  
Leu Leu Leu Gly Thr Ile Lys Met Ala Thr Leu Asn Leu Phe Gln Ile  
50 55 60  
Val Ser Lys His Leu Lys Glu Val Thr Glu Val  
65 70 75

<210> 6742  
<211> 222  
<212> PRT  
<213> Homo sapiens

<400> 6742  
Met Asn Arg Trp Leu Asn Arg Ile Asn Met Leu Thr Ala Gly Tyr Ala  
1 5 10 15  
Glu Arg Glu Arg Ile Lys Gln Glu Gln Asp Tyr Trp Ser Glu Ser Asp  
20 25 30  
Lys Glu Glu Ala Asp Thr Pro Ser Thr Pro Lys Gln Asp Ser Pro Pro  
35 40 45  
Pro Pro Tyr Asp Thr Tyr Pro Arg Pro Pro Ser Met Ser Cys Ala Ser  
50 55 60  
Pro Tyr Val Glu Ala Lys His Ser Arg Thr  
65 70

<210> 6743  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6743  
 Met Xaa Asp Ala Ala Val Ser Phe Ala Lys Asp Phe Leu Ala Gly Gly  
 1 5 10 15  
 Val Ala Ala Ala Ile Ser Lys Xaa Ala Val Ala Pro Ile Glu Arg Val  
 20 25 30  
 Xaa Leu Leu Xaa Gln Val Gln His Ala Ser Lys Gln Ile Thr Xaa Asp  
 35 40 45  
 Lys Gln Tyr Lys Gly Xaa  
 50

<210> 6744  
 <211> 255  
 <212> PRT  
 <213> Homo sapiens

<400> 6744  
 Met Leu His His Glu Leu Ala Ala Glu Cys Lys Ser Ala Gly Tyr Pro  
 1 5 10 15  
 Gly Thr Leu Ile Pro Tyr Arg Cys Asp Leu Ser Asn Glu Glu Asp Ile  
 20 25 30  
 Leu Ser Met Phe Ser Ala Ile Arg Ser Gln His Ser Gly Val Asp Ile  
 35 40 45  
 Cys Ile Asn Asn Ala Gly Leu Ala Arg Pro Asp Thr Leu Leu Ser Gly  
 50 55 60  
 Ser Thr Ser Gly Trp Lys Asp Met Phe Asn Val Asn Val Leu Ala Ser  
 65 70 75 80  
 Ala Ser Ala His Gly  
 85

<210> 6745  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens

<400> 6745  
 Met Thr Tyr Ser Glu Lys Asp Glu Arg Glu Ser Ser Leu Pro Asn Gly  
 1 5 10 15  
 Arg Ser Val Ser Leu Met Asp Leu Gln Asp Thr His Ala Ala Gln Val  
 20 25 30  
 Glu His Ala Ser Val Met Leu Asp Val Pro Ile Arg Leu Thr Gly Ser  
 35 40 45  
 Gln Leu Ser Ile Thr Gln Val Ala Ser Ile Lys Gln Leu Arg Glu Thr  
 50 55 60  
 Gln Ser  
 65

<210> 6746  
 <211> 153

<212> PRT  
 <213> Homo sapiens

<400> 6746  
 Met Ile Ala Gly Leu Tyr Gly Lys Thr Met Phe Ser Cys Arg Arg Asn  
 1 5 10 15  
 Cys Gln Thr Val Phe Gln Cys Asp Cys Val Asp Phe Val Phe Leu Pro  
 20 25 30  
 Ala Met Asn Glu Ser Xaa Cys Asp Ser Thr Phe Leu Pro Ser Phe Gly  
 35 40 45  
 Val Val Ser  
 50

<210> 6747  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 6747  
 Met His Thr Leu Leu Arg Glu Lys Glu Glu Glu Leu Glu Arg Ile Lys  
 1 5 10 15  
 Glu Ala His Glu Lys Val Leu Glu Lys Lys Glu Gln Asp Leu Asn Glu  
 20 25 30  
 Ala Leu Val Lys Met Val Ala Leu Gly Ser Ser Leu Glu Glu Thr Glu  
 35 40 45  
 Ile Lys Leu Gln Ala Lys Glu  
 50 55

<210> 6748  
 <211> 321  
 <212> PRT  
 <213> Homo sapiens

<400> 6748  
 Met Gln Phe Gly Lys Leu Trp Cys Gly Cys Ser Gly Glu Phe Pro Thr  
 1 5 10 15  
 Arg Leu Arg Arg Arg Thr Pro Leu Thr Glu Ala Met Glu Gly Gly Pro  
 20 25 30  
 Ala Val Cys Cys Gln Asp Pro Arg Ala Glu Leu Val Glu Arg Val Ala  
 35 40 45  
 Ala Ile Asp Val Thr His Leu Glu Glu Ala Asp Gly Gly Pro Glu Pro  
 50 55 60  
 Thr Arg Asn Gly Val Asp Pro Pro Pro Arg Ala Arg Ala Ala Ser Val  
 65 70 75 80  
 Ile Pro Gly Ser Thr Ser Arg Leu Leu Pro Ala Arg Pro Ser Leu Ser  
 85 90 95  
 Ala Arg Lys Leu Ser Leu Gln Glu Arg Pro Ala  
 100 105

<210> 6749  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

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<400> 6749

Met Asp Cys Ser Ser Ser Asp Phe Thr Leu Gly Phe Pro Val Gln Asp  
1 5 10 15  
Leu Asn Lys Gly Pro Lys Lys Ser Ala Pro Pro Pro Gly Phe Glu Ile  
20 25 30  
Thr Arg Arg Glu Ile Lys Ser Thr Leu Phe Ile Phe Ile Phe Leu Ala  
35 40 45  
Arg Ile Tyr Cys Asn Glu Arg  
50 55

<210> 6750

<211> 183

<212> PRT

<213> Homo sapiens

<400> 6750

Met Leu Phe Ile Asn His Ile Phe Gln Met Arg Glu Trp Glu Phe Ile  
1 5 10 15  
Gly Leu Arg Ser Asp Ala Ile Pro Gln Thr Pro Ala Leu Met Pro Val  
20 25 30  
Ser Cys Cys His Pro His Pro Leu Phe Gln Ser Arg Pro Gly Ala  
35 40 45  
Leu His Pro Cys Phe Cys Gly Pro Leu Cys Leu Leu Gln  
50 55 60

<210> 6751

<211> 231

<212> PRT

<213> Homo sapiens

<400> 6751

Met Glu Ser Ala Leu Ala Val Pro Arg Leu Pro Pro His Asp Pro Gly  
1 5 10 15  
Thr Pro Val Leu Ser Val Val Asp Met His Thr Gly Gly Glu Pro Leu  
20 25 30  
Arg Ile Val Leu Ala Gly Cys Pro Glu Val Ser Gly Pro Thr Leu Leu  
35 40 45  
Ala Lys Arg Arg Tyr Met Arg Gln His Leu Asp His Val Arg Arg Arg  
50 55 60  
Leu Met Phe Glu Pro Arg Gly His Arg Asp Met Tyr Gly  
65 70 75

<210> 6752

<211> 174

<212> PRT

<213> Homo sapiens

<400> 6752

Met Thr Thr Asp Phe Asp Phe Gly Gly Pro Gly His Phe Trp Cys Pro  
1 5 10 15  
Pro His Ser Trp Leu Met Ala Gly Ser Ser Val Ser Gln Met Lys Ile  
20 25 30  
Asp Leu Val His Ser Gln Thr Ser Arg Ala Leu Ala Ser Ile Pro Phe  
35 40 45

Pro Gln Ala Ser Pro Leu His Ser Thr Leu  
50 55

<210> 6753  
<211> 237  
<212> PRT  
<213> Homo sapiens

<400> 6753  
Met Asn Tyr Ile Phe Gly Asn Asn Thr Leu Leu Tyr Ser Arg Gly Ser  
1 5 10 15  
Arg Gly Gly Asn Thr Ser Ser Ser His Gly Ser Ala Gly Pro Lys Gln  
20 25 30  
Lys His Trp Ala Lys Lys Gly Ser Ser Asp Glu Leu Gln Ala Glu Pro  
35 40 45  
Glu Pro Ser Arg Trp Gln Gln Ile Val Ala Phe Phe Thr Arg Arg His  
50 55 60  
Ser Phe Ile Asp Cys Ile Ser Val Ala Thr Ser Ser Thr Gln Ala  
65 70 75

<210> 6754  
<211> 204  
<212> PRT  
<213> Homo sapiens

<400> 6754  
Met Leu Lys Gly Arg Cys Pro Ser Val Ser Ala Pro Ser Leu Ile Thr  
1 5 10 15  
Asp Ser Val Ile Ser Val Pro Ser Trp Lys Ser Glu Arg Pro Thr Ala  
20 25 30  
Ile Ser Glu His Trp Asp Gln Gly Gln Arg Leu Lys Leu Ser Pro Asn  
35 40 45  
Lys Tyr Gln Pro Ile Gln Pro Ile Gln Thr Ser Lys Leu Glu Gln Asp  
50 55 60  
His Phe Gln Val  
65

<210> 6755  
<211> 168  
<212> PRT  
<213> Homo sapiens

<400> 6755  
Met Glu Tyr Cys Arg Ile Met Tyr Asp Ile Phe Pro Phe Lys Lys Leu  
1 5 10 15  
Val Asn Phe Ile Val Ser Asp Ser Gly Ala His Val Leu Asn Ser Trp  
20 25 30  
Thr Gln Glu Asp Gln Asn Leu Gln Glu Leu Met Ala Ala Leu Ala Ala  
35 40 45  
Val Gly Pro Pro Asn Pro Arg Ala  
50 55

<210> 6756  
<211> 231



<212> PRT

<213> Homo sapiens

<400> 6756

Met Tyr Asp Ser Phe Asp Asn Thr Tyr Gln Ala Thr Ile Gly Ile Asp  
1 5 10 15  
Phe Leu Ser Lys Thr Met Tyr Leu Glu Asp Arg Thr Val Arg Leu Gln  
20 25 30  
Leu Trp Asp Thr Ala Gly Gln Glu Arg Phe Arg Ser Leu Ile Pro Ser  
35 40 45  
Tyr Ile Arg Asp Ser Thr Val Ala Val Val Val Tyr Asp Ile Thr Asn  
50 55 60  
Leu Asn Ser Phe Gln Gln Thr Ser Lys Trp Ile Asp Ile  
65 70 75

<210> 6757

<211> 195

<212> PRT

<213> Homo sapiens

<400> 6757

Met Lys Ile Thr Glu Met Arg Ile Lys Gly Asn Tyr Ile His Ser Thr  
1 5 10 15  
Leu Gln Pro Asn Thr Gly Tyr Lys Asp Glu Asn Gly Ile Asn Arg Pro  
20 25 30  
Val Cys Ser Tyr Val Lys Pro Leu Arg Ala Gly Arg Leu Leu Asp Thr  
35 40 45  
Pro Arg Gln Ala Ala Arg Phe Val Asn Val Leu Gly Tyr Glu Arg Ala  
50 55 60  
Xaa  
65

<210> 6758

<211> 156

<212> PRT

<213> Homo sapiens

<400> 6758

Met Ile Leu Leu Arg Asn Ser Gln Phe Tyr Leu Tyr Leu Phe Val Cys  
1 5 10 15  
Val Cys Ala Tyr Phe Ile Leu Cys Ser Phe Ile Thr His Val Asp Ile  
20 25 30  
Ser Pro Thr Thr Val Lys Ile Gln Ser Ser Ser Ser Pro Gln Arg Ser  
35 40 45  
Phe Ser Leu Pro  
50

<210> 6759

<211> 198

<212> PRT

<213> Homo sapiens

<400> 6759

Met Cys Val Leu Tyr Asp Val Leu Ser Ile Val Arg Asp Lys Lys Phe

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1 5 10 15  
 Met Thr Leu Asp Pro Val Ser Gln Asp Ala Leu Pro Pro Lys Gln Asn  
 20 25 30  
 Pro Gln Thr Leu Gln Leu Ile Xaa Lys Lys Xaa Xaa Leu Ala Gly Ala  
 35 40 45  
 Ala Gln Ile Leu Leu Lys Gly Ala Glu Arg Leu Thr Lys Ser Val Thr  
 50 55 60  
 Glu Asn  
 65

<210> 6760  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 6760  
 Met Lys Lys Lys Glu Ser Ser Ser Met Leu Ala Thr Val Lys Glu Glu  
 1 5 10 15  
 Val Ser Gly Ser Ser Ala Ala Val Thr Glu Asn Ala Asp Ser Asp Arg  
 20 25 30  
 Ile Ser Asp Glu Ala Asn Ser Asn Phe Asn Gln Gly Thr Glu Asn Glu  
 35 40 45  
 Gln Ser Lys Glu Thr Gln Ser His Glu Ser Lys Leu Gly Val  
 50 55 60

<210> 6761  
 <211> 243  
 <212> PRT  
 <213> Homo sapiens

<400> 6761  
 Met Gly Lys Trp Lys Arg Ser Gln Ala Ile Glu Lys Leu Val Ala Leu  
 1 5 10 15  
 Leu Asn Thr Leu Asp Arg Trp Ile Asp Glu Thr Pro Pro Val Asp Gln  
 20 25 30  
 Pro Ser Arg Phe Gly Asn Lys Ala Tyr Arg Thr Trp Tyr Ala Lys Leu  
 35 40 45  
 Asp Glu Glu Ala Glu Asn Leu Val Ala Thr Val Val Pro Thr His Leu  
 50 55 60  
 Ala Ala Ala Val Pro Glu Val Ala Val Tyr Leu Lys Glu Ser Val Gly  
 65 70 75 80  
 Ile

<210> 6762  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens

<400> 6762  
 Met Pro Ala His Ser Leu Val Met Ser Ser Pro Ala Leu Pro Ala Phe  
 1 5 10 15  
 Leu Leu Cys Ser Thr Leu Leu Val Ile Lys Met Tyr Val Val Ala Ile  
 20 25 30  
 Ile Thr Gly Gln Val Arg Leu Arg Lys Lys Ala Phe Ala Asn Pro Glu

35 40 45  
 Asp Ala Leu Arg His Gly Gly Pro Gln Tyr Cys Arg Ser Asp Xaa Asp  
 50 55 60  
 Val Glu Arg Cys Xaa Gly Pro Thr Gly Xaa His Gly Asp His Leu Pro  
 65 70 75 80

<210> 6763  
 <211> 375  
 <212> PRT  
 <213> Homo sapiens

<400> 6763  
 Met Cys Gly Trp Asn Ser Leu His Gln Ala Ser Phe Gln Glu Asn Ala  
 1 5 10 15  
 Glu Ile Ile Lys Leu Leu Leu Arg Lys Gly Ala Asn Lys Glu Cys Gln  
 20 25 30  
 Asp Asp Phe Gly Ile Thr Pro Leu Phe Val Ala Ala Gln Tyr Gly Lys  
 35 40 45  
 Leu Glu Ser Leu Ser Ile Leu Ile Ser Ser Gly Ala Asn Val Asn Cys  
 50 55 60  
 Gln Ala Leu Asp Lys Ala Thr Pro Leu Phe Ile Ala Ala Gln Glu Gly  
 65 70 75 80  
 His Thr Lys Cys Val Glu Leu Leu Leu Ser Ser Gly Ala Asp Pro Asp  
 85 90 95  
 Leu Tyr Cys Asn Glu Asp Ser Trp Gln Leu Pro Ile His Ala Ala Ala  
 100 105 110  
 Gln Met Gly His Thr Lys Ile Leu Asp Leu Leu Ile Pro  
 115 120 125

<210> 6764  
 <211> 267  
 <212> PRT  
 <213> Homo sapiens

<400> 6764  
 Met Ala Thr Ala Ala Ser Asn Pro Tyr Ser Ile Leu Ser Ser Thr Ser  
 1 5 10 15  
 Leu Val His Ala Asp Ser Ala Gly Met Gln Gln Gly Ser Pro Phe Arg  
 20 25 30  
 Asn Pro Gln Lys Leu Leu Gln Ser Asp Tyr Leu Gln Gly Val Pro Ser  
 35 40 45  
 Asn Gly His Pro Leu Gly His His Trp Val Thr Ser Leu Ser Asp Gly  
 50 55 60  
 Gly Pro Trp Ser Ser Thr Leu Ala Thr Ser Pro Leu Asp Gln Gln Asp  
 65 70 75 80  
 Val Lys Pro Gly Arg Glu Asp Leu Gln  
 85

<210> 6765  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 6765

Met Ala Met Leu Val Leu Val Pro Gly Arg Val Met Arg Pro Leu Gly  
 1 5 10 15  
 Gly Gln Leu Trp Arg Phe Leu Pro Arg Gly Leu Glu Phe Trp Gly Pro  
 20 25 30  
 Ala Glu Gly Thr Ala Arg Val Leu Leu Arg Gln Xaa Cys Ala Arg Gln  
 35 40 45  
 Ala Glu Ala Trp Arg Ala Ser Gly Arg Pro Gly Tyr Cys Leu Gly Thr  
 50 55 60  
 Arg Pro Leu Asn Thr  
 65

<210> 6766  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 6766  
 Met Arg Ser Cys Tyr Val Ala Gln Ala Gly Leu Lys Xaa Xaa Ser Cys  
 1 5 10 15  
 Leu Ser Phe Pro Lys Cys Xaa Asn Asp Arg Cys Xaa Xaa Pro Arg Pro  
 20 25 30  
 Ala Pro Asn His Leu Leu Xaa Asn Ala Ser Xaa Xaa His Tyr Xaa Lys  
 35 40 45  
 Phe Ser Leu Val Cys  
 50

<210> 6767  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 6767  
 Met Ser Ser Leu Gly Phe Thr Ser Lys Glu Gln Arg Asn Leu Gly Leu  
 1 5 10 15  
 Leu Val His Leu Met Thr Ser Asn Pro Lys Ile Leu Tyr Ala Pro Ala  
 20 25 30  
 Gly Ser Glu Val Asp Arg Val Ile Leu Lys Ala Asn Glu Thr Phe Ala  
 35 40 45  
 Phe Val Gly Asn Val Thr His Tyr Ala Gln Val Trp Leu  
 50 55 60

<210> 6768  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 6768  
 Met Glu Gln Leu Thr Thr Leu Pro Arg Pro Gly Asp Pro Gly Ala Met  
 1 5 10 15  
 Glu Pro Trp Ala Leu Pro Thr Trp His Ser Trp Thr Pro Gly Arg Gly  
 20 25 30  
 Gly Glu Pro Ser Ser Ala Ala Pro Ser Ile Ala Asp Thr Pro Pro Ala  
 35 40 45  
 Ala Leu Gln Leu Gln Glu Leu Arg Ser Glu Glu Ser Ser Lys

50

55

60

&lt;210&gt; 6769

&lt;211&gt; 294

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 6769

Met Ala Ser Ala Thr Asp Ser Arg Tyr Gly Gln Lys Glu Ser Ser Asp  
 1 5 10 15  
 Gln Asn Phe Asp Tyr Met Phe Lys Ile Leu Ile Ile Gly Asn Ser Ser  
 20 25 30  
 Val Gly Lys Thr Ser Phe Leu Phe Arg Tyr Ala Asp Asp Ser Phe Thr  
 35 40 45  
 Pro Ala Phe Val Ser Thr Val Gly Ile Asp Phe Lys Val Lys Thr Ile  
 50 55 60  
 Tyr Arg Asn Asp Lys Arg Ile Lys Leu Gln Ile Trp Asp Thr Ala Gly  
 65 70 75 80  
 Gln Glu Arg Tyr Arg Thr Ile Thr Thr Ala Tyr Tyr Arg Gly Ala Met  
 85 90 95  
 Gly Phe

&lt;210&gt; 6770

&lt;211&gt; 270

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 6770

Met Arg Gly Gly Ala Ala Asp Arg Ser Gly Leu Ile His Val Gly Asp  
 1 5 10 15  
 Glu Leu Arg Glu Val Asn Gly Ile Pro Val Glu Asp Lys Arg Pro Glu  
 20 25 30  
 Glu Ile Ile Gln Ile Leu Ala Gln Ser Gln Gly Ala Ile Thr Phe Lys  
 35 40 45  
 Ile Ile Pro Gly Ser Lys Glu Glu Thr Pro Ser Lys Glu Gly Lys Met  
 50 55 60  
 Phe Ile Lys Ala Leu Phe Asp Tyr Asn Pro Asn Glu Asp Lys Ala Ile  
 65 70 75 80  
 Pro Cys Lys Glu Ala Gly Leu Ser Phe Lys  
 85 90

&lt;210&gt; 6771

&lt;211&gt; 228

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 6771

Met Leu Gly Phe Leu Gly Gly Val Ser Trp Ala Met Leu Val Ala Arg  
 1 5 10 15  
 Thr Cys Gln Leu Tyr Pro Asn Ala Ala Ser Thr Leu Val His Lys  
 20 25 30  
 Phe Phe Leu Val Phe Ser Lys Trp Glu Trp Pro Asn Pro Val Leu Leu  
 35 40 45  
 Lys Gln Pro Glu Glu Ser Asn Leu Asn Leu Pro Val Trp Asp Pro Arg

50 55 60  
Val Asn Pro Ser Asp Arg Tyr His Leu Met Pro Arg  
65 70 75

<210> 6772  
<211> 210  
<212> PRT  
<213> Homo sapiens

<400> 6772  
Met Ala Ser Pro Ser Arg Gln Pro Pro Pro Gly Gly Ser Gly Leu Leu  
1 5 10 15  
Gln Gly Ser Arg Ala Arg Ser Tyr Gly Ser Leu Val Gln Ser Ala Cys  
20 25 30  
Ser Pro Val Arg Glu Arg Arg Leu Glu His Gln Leu Glu Pro Gly Asp  
35 40 45  
Thr Leu Ala Gly Leu Ala Leu Lys Tyr Gly Val Thr Met Glu Gln Ile  
50 55 60  
Lys Arg Ala Asn Arg Leu  
65 70

<210> 6773  
<211> 153  
<212> PRT  
<213> Homo sapiens

<400> 6773  
Met Val Leu Ser Ser Lys Ala Leu Gly Lys Pro Glu Leu Phe Ile Phe  
1 5 10 15  
Phe Tyr Val His Leu Phe Phe Cys Ile Ile Trp Tyr Ile Val Cys Leu  
20 25 30  
Thr Thr Ser Ile Leu Leu Leu Phe Leu Arg Met Asn Leu Pro Tyr Ile  
35 40 45  
Tyr His Ala  
50

<210> 6774  
<211> 363  
<212> PRT  
<213> Homo sapiens

<400> 6774  
Met Ile Phe Ser Asp Met Asn Thr Val Ser Gly Ser Pro Lys Val His  
1 5 10 15  
Pro Pro Asn Gly Thr Arg Phe Tyr Thr Phe Gln Ile Val Ala Leu Arg  
20 25 30  
Glu Gln Asn Val His Ile Gln Arg Lys Met Ala Ser Ser Glu Gly Ser  
35 40 45  
Thr Glu Ser Glu His Leu Glu Gly Met Glu Pro Gly Gln Lys Val His  
50 55 60  
Glu Lys Arg Leu Ser Asn Gly Ser Ile Asp Ser Thr Asp Glu Thr Ser  
65 70 75 80  
Gln Ile Val Glu Leu Gln Glu Leu Leu Glu Lys Gln Asn Tyr Glu Met  
85 90 95

Ala Gln Met Lys Glu Arg Leu Ala Ala Leu Ser Ser Arg Val Gly Glu  
 100 105 110  
 Val Glu Gln Glu Ala Glu Thr Ala Arg  
 115 120

<210> 6775  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 6775  
 Met Lys Ser Gly Lys Gly Arg Pro Ile Ser Phe Val Asp Ser Phe Pro  
 1 5 10 15  
 Leu Ser Ile Trp Ile Cys Gln Pro Thr Arg Tyr Ala Glu Ser Gln Lys  
 20 25 30  
 Glu Pro Gln Thr Cys Asn Gln Val Ser Leu Asn Thr Ser Gln Ser Glu  
 35 40 45  
 Ser Ser Asp Leu Ala Gly His  
 50 55

<210> 6776  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 6776  
 Met Glu Pro Ser Trp Gly His Pro Gly Gln Glu Met Trp Pro Ala Val  
 1 5 10 15  
 Pro Leu Arg Arg Ala Val Pro Gly Thr Gln Arg Gln His Leu Glu Val  
 20 25 30  
 Glu Asn Ala Ser Gly Ala Val Arg Val Leu Gly Ser Leu Ile Pro Phe  
 35 40 45  
 Ser Val Ser Gly Thr Phe Pro Gln Gln Gln Thr Glu Gly Thr Gln  
 50 55 60  
 Phe Ser Ile Leu Gly Lys Tyr  
 65 70

<210> 6777  
 <211> 252  
 <212> PRT  
 <213> Homo sapiens

<400> 6777  
 Met Phe Ser Leu Lys Pro Pro Lys Pro Thr Phe Arg Ser Tyr Leu Leu  
 1 5 10 15  
 Pro Pro Pro Gln Thr Asp Asp Lys Ile Asn Ser Glu Pro Lys Ile Lys  
 20 25 30  
 Lys Leu Glu Pro Val Leu Leu Pro Gly Glu Ile Val Val Asn Glu Val  
 35 40 45  
 Asn Phe Val Arg Lys Cys Ile Ala Thr Asp Thr Ser Gln Tyr Asp Leu  
 50 55 60  
 Trp Gly Lys Leu Ile Cys Ser Asn Phe Lys Ile Ser Phe Ile Thr Asp  
 65 70 75 80  
 Asp Pro Met Pro

<210> 6778  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 6778  
 Met Arg Glu Asp Leu Phe Lys Gln Tyr Ile Glu Lys Ile Ala Lys Asn  
 1 5 10 15  
 Leu Asp Ser Glu Lys Glu Lys Glu Leu Glu Arg Gln Ala Arg Ile Glu  
 20 25 30  
 Ala Ser Leu Arg Glu Arg Glu Arg Glu Val Gln Lys Ala Arg Ser Glu  
 35 40 45  
 Gln Thr Lys Glu Ile Asp Arg Glu Arg Glu Gln  
 50 55

<210> 6779  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 6779  
 Met Thr Val Gln Gln Glu Asp Leu Lys Asn His Val Asp Ser Tyr Tyr  
 1 5 10 15  
 His Arg Ser Xaa Xaa Met Glu Ser Ser Asp Gln Lys Ser Ser Arg Arg  
 20 25 30  
 Ile Ser Ser Phe Pro Phe Ser Phe Leu Glu Ile Gly Cys Leu Tyr Gln  
 35 40 45  
 Asn Gly Ile Leu Leu Leu Gly Tyr  
 50 55

<210> 6780  
 <211> 345  
 <212> PRT  
 <213> Homo sapiens

<400> 6780  
 Met Met Ala Asp Asp Asn Ile Glu Asp Ser Thr Ala Arg Leu Asp Thr  
 1 5 10 15  
 Gln His Ser Glu Asp Met Asn Ala Thr Arg Ser Glu Glu Gln Phe His  
 20 25 30  
 Val Ile Asn His Ala Glu Xaa Thr Leu Arg Lys Met Glu Asn Tyr Leu  
 35 40 45  
 Lys Glu Lys Gln Leu Cys Asp Val Leu Leu Ile Ala Gly His Leu Arg  
 50 55 60  
 Ile Pro Ala His Arg Leu Val Leu Ser Ala Val Ser Asp Tyr Phe Ala  
 65 70 75 80  
 Ala Met Phe Thr Asn Asp Val Leu Glu Ala Lys Gln Glu Glu Val Arg  
 85 90 95  
 Met Glu Gly Val Asp Pro Xaa Ala Leu Asn Ser Leu Val Gln Tyr Ala  
 100 105 110  
 Tyr Thr Gly  
 115



<210> 6781  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 6781  
 Met Ala Xaa Pro Gly Glu Ala Glu Glu Glu Ala Thr Val Tyr Leu Val  
 1 5 10 15  
 Val Ser Gly Ile Pro Ser Val Leu Arg Ser Ala His Leu Arg Ser Tyr  
 20 25 30  
 Phe Ser Gln Xaa Arg Glu Glu Arg Gly Gly Gly Phe Leu Cys Phe His  
 35 40 45  
 Tyr Arg His Arg Pro  
 50

<210> 6782  
 <211> 321  
 <212> PRT  
 <213> Homo sapiens

<400> 6782  
 Met Arg Tyr Asn Glu Lys Glu Leu Gln Ala Leu Ser Arg Gln Pro Ala  
 1 5 10 15  
 Glu Met Ala Ala Glu Leu Gly Met Arg Gly Pro Lys Lys Gly Ser Val  
 20 25 30  
 Leu Lys Arg Arg Leu Val Lys Leu Val Val Asn Phe Leu Phe Tyr Phe  
 35 40 45  
 Arg Thr Asp Glu Ala Glu Pro Val Gly Ala Leu Leu Leu Glu Arg Cys  
 50 55 60  
 Arg Val Val Arg Glu Glu Pro Gly Thr Phe Ser Ile Ser Phe Ile Glu  
 65 70 75 80  
 Asp Pro Glu Arg Lys Tyr His Phe Glu Cys Ser Ser Glu Glu Gln Cys  
 85 90 95  
 Gln Glu Trp Met Glu Ala Leu Arg Arg Gly Gln  
 100 105

<210> 6783  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 6783  
 Met Ala Ser Lys Lys Phe Ala Val Lys Cys Gly Asn Phe Ala Val Leu  
 1 5 10 15  
 Val Asp Leu His Ile Leu Pro Gln Gly Ser Asn Lys Asp Thr Ser Trp  
 20 25 30  
 Phe Ser Glu Gln Lys Lys Glu Glu Val Cys Xaa Leu Leu Lys Glu Thr  
 35 40 45  
 Ile Asp Ser Arg Val Gln Glu Thr  
 50 55

<210> 6784  
 <211> 270  
 <212> PRT

<213> Homo sapiens

<400> 6784

Met Asp Gln Pro Arg Asn Pro Cys Glu Asn Glu Pro Leu Thr Pro Gly  
1 5 10 15  
Tyr His Gly Phe Pro Ala Arg Asp Ser Gln Gly Asn Gln Glu Pro Thr  
20 25 30  
Thr Thr Pro Asp Ala Met Val Gln Pro Phe Thr Thr Ile Pro Phe Pro  
35 40 45  
Pro Pro Pro Gln Asn Gly Ile Pro Thr Glu Tyr Gly Val Pro His Thr  
50 55 60  
Gln Asp Tyr Ala Gly Gln Thr Gly Glu His Asn Leu Thr Leu Tyr Gly  
65 70 75 80  
Ser Thr Gln Ala His Gly Glu Gln Ser Ser  
85 90

<210> 6785

<211> 330

<212> PRT

<213> Homo sapiens

<400> 6785

Met Ala Trp Arg Gly Trp Ala Gln Arg Gly Trp Gly Cys Gly Gln Ala  
1 5 10 15  
Trp Gly Ala Ser Val Gly Gly Arg Ser Cys Glu Glu Leu Thr Ala Val  
20 25 30  
Leu Thr Pro Pro Gln Leu Leu Gly Arg Arg Phe Asn Phe Phe Ile Gln  
35 40 45  
Gln Lys Cys Gly Phe Arg Lys Ala Pro Arg Lys Val Glu Pro Arg Arg  
50 55 60  
Ser Asp Pro Gly Thr Ser Gly Glu Ala Tyr Lys Arg Ser Ala Leu Ile  
65 70 75 80  
Pro Pro Val Glu Glu Thr Val Phe Tyr Pro Ser Pro Tyr Pro Ile Arg  
85 90 95  
Ser Leu Ile Lys Pro Leu Phe Phe Thr Val Gly Phe Thr Gly  
100 105 110

<210> 6786

<211> 219

<212> PRT

<213> Homo sapiens

<400> 6786

Met Glu Arg Met Ser Asp Ser Ala Asp Lys Pro Ile Asp Asn Asp Ala  
1 5 10 15  
Glu Gly Val Trp Ser Pro Asp Ile Glu Gln Ser Phe Gln Glu Ala Leu  
20 25 30  
Ala Ile Tyr Pro Pro Cys Gly Arg Arg Lys Ile Ile Leu Ser Asp Glu  
35 40 45  
Gly Lys Met Tyr Gly Arg Asn Glu Leu Ile Ala Arg Tyr Ile Lys Leu  
50 55 60  
Arg Thr Gly Lys Thr Arg Thr Arg Ala  
65 70

<210> 6787  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 6787  
 Met Xaa His Arg Asp Ser Xaa His Gln Leu Gln Leu Leu Asp Thr Lys  
 1 5 10 15  
 Phe Lys Gly Thr Val Glu Glu Leu Ser Asn Gln Ile Leu Ser Ala Arg  
 20 25 30  
 Ser Trp Leu Gln Gln Glu Gln Glu Arg Ile Glu Lys Glu Leu Leu Gln  
 35 40 45  
 Lys Ile Asp Gln Leu Ser Leu Ile Val Lys Glu Asn Ser Gly Ala Ser  
 50 55 60

<210> 6788  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 6788  
 Met Thr Lys Ser Leu Glu Ser Val Ser Phe Lys Asp Val Thr Val Asp  
 1 5 10 15  
 Phe Ser Arg Asp Glu Trp Gln Gln Leu Asp Leu Ala Gln Lys Ser Leu  
 20 25 30  
 Tyr Arg Glu Val Met Leu Glu Asn Tyr Phe Asn Leu Ile Ser Val Gly  
 35 40 45  
 Cys Gln Val Pro Lys Pro Glu Val Ile Phe Ser Leu Glu Gln Glu Glu  
 50 55 60  
 Pro Cys Met  
 65

<210> 6789  
 <211> 300  
 <212> PRT  
 <213> Homo sapiens

<400> 6789  
 Met Gly Glu His Ser Pro Asp Asn Asn Ile Ile Tyr Phe Glu Ala Glu  
 1 5 10 15  
 Glu Asp Glu Leu Thr Pro Asp Asp Lys Met Leu Arg Phe Val Asp Lys  
 20 25 30  
 Asn Gly Leu Val Pro Ser Ser Ser Gly Thr Val Tyr Asp Arg Thr Thr  
 35 40 45  
 Val Leu Ile Glu Gln Asp Pro Gly Thr Leu Glu Asp Glu Asp Asp Asp  
 50 55 60  
 Gly Gln Cys Gly Glu His Leu Pro Phe Leu Val Gly Gly Glu Glu Gly  
 65 70 75 80  
 Phe His Leu Ile Asp His Glu Ala Met Ser Gln Gly Tyr Val Gln His  
 85 90 95  
 Ile Ile Ser Pro  
 100

<210> 6790

<211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 6790

Met	Glu	Gly	Phe	Leu	Lys	Ser	Asp	Glu	Arg	Gln	Arg	Leu	Ala	Lys	Glu
1				5					10					15	
Arg	Arg	Glu	Glu	Arg	Glu	Lys	Cys	Leu	Ala	Ala	Arg	Glu	Gln	Gln	Ile
		20						25					30		
Leu	Glu	Lys	Gln	Lys	Arg	Ala	Arg	Leu	Gln	Tyr	Glu	Lys	Gln	Met	Glu
		35					40					45			
Glu	Arg	Trp	Arg	Lys	Leu	Glu	Glu	Gln	Arg	His	Xaa	Arg	Thr		
	50					55					60				

<210> 6791  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 6791

Met	Xaa	Xaa	Gln	Gly	Thr	Arg	His	Gly	Xaa	Thr	Met	Lys	Thr	Asn	Thr
1				5					10					15	
Tyr	Glu	Arg	Gly	Thr	Tyr	Tyr	Phe	Phe	Asp	Cys	Leu	Asn	Trp	Arg	Lys
		20						25					30		
Val	Ala	Lys	Glu	Phe	His	Leu	Glu	Tyr	Asp	Lys	Leu	Glu	Glu	Arg	Pro
		35					40					45			
His	Leu	Pro	Ser	Thr	Phe	Asn									
	50					55									

<210> 6792  
 <211> 243  
 <212> PRT  
 <213> Homo sapiens

<400> 6792

Met	Thr	Val	Gln	Leu	Val	Ser	Asn	Phe	Ser	Arg	Asp	Ala	Glu	Pro	Phe
1				5					10					15	
Leu	Val	Arg	Thr	Leu	Val	Glu	Glu	Ile	Thr	Glu	Glu	Gln	Tyr	Tyr	Met
		20						25					30		
Met	Arg	Arg	Tyr	Glu	Ser	Ser	Ala	Ser	His	Pro	Pro	Pro	Arg	Pro	Pro
		35					40					45			
Lys	His	Pro	Ser	Val	Glu	Glu	Thr	Lys	Leu	Thr	Leu	Leu	Thr	Leu	Ala
	50					55				60					
Glu	Glu	Arg	Thr	Val	Asp	Leu	Pro	Lys	Ser	Pro	Xaa	Arg	His	His	Ala
65					70				75						80
Asp															

<210> 6793  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 6793

Met	Ile	Arg	Thr	His	Ser	Ser	Leu	Asn	Leu	Pro	Arg	Leu	Lys	Gln	Ser
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

004220 6667560

1 5 10 15  
 Ser His Leu Ser Leu Pro Trp Gln Leu Gly Ala Thr Gly Ser Cys His  
 20 25 30  
 His Ala Gln Leu Ile Phe Val Phe Phe Val Lys Met Arg Phe Cys Ile  
 35 40 45  
 Ser Pro Arg Gln Ala Gly Leu Lys Leu Leu Asp Ser Ser Asp  
 50 55 60

<210> 6794  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 6794  
 Met Leu Val Ala Ala Val Ile Ser Pro Tyr Pro Gln Leu Val Lys Lys  
 1 5 10 15  
 Glu Ser Lys Met Ala Ala Gly Leu Cys Gln Leu Leu Ser Ser Ala Ala  
 20 25 30  
 Ile Ile Arg Glu Leu Pro Leu Ser Phe Ser Pro Ala Ile Thr Thr Leu  
 35 40 45  
 Pro His Gly His His His Leu Asn His Leu Ala  
 50 55

<210> 6795  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 6795  
 Met Lys Met Glu Gly Thr Ser Pro Ala Pro Pro Pro Ala Ala Gly Lys  
 1 5 10 15  
 Tyr Pro Ser Cys Ser Glu Leu Ile Lys Thr Ala Asp Gly Gly Gln Ile  
 20 25 30  
 Ser Leu Asp Trp Phe Asp Asn Asp Asn Ser Thr Cys Tyr Met Asp Ala  
 35 40 45  
 Ser Thr Arg Pro Thr Ile Leu Leu Leu Pro Gly Leu Thr Gly Thr  
 50 55 60

<210> 6796  
 <211> 243  
 <212> PRT  
 <213> Homo sapiens

<400> 6796  
 Met Ile Phe Lys Gly Pro Arg Trp Ala Ser Trp Asn Ile Gly Val Phe  
 1 5 10 15  
 Ile Cys Ile Arg Cys Ala Gly Ile His Arg Asn Leu Gly Val His Ile  
 20 25 30  
 Ser Arg Val Lys Ser Val Asn Leu Asp Gln Trp Thr Gln Glu Gln Ile  
 35 40 45  
 Gln Cys Met Gln Glu Met Gly Asn Gly Lys Ala Asn Arg Leu Tyr Glu  
 50 55 60  
 Ala Tyr Leu Pro Glu Thr Phe Arg Arg Pro Gln Ile Asp Pro Ala Val  
 65 70 75 80

Glu

<210> 6797

<211> 165

<212> PRT

<213> Homo sapiens

<400> 6797

Met Phe Asn Asp Ala Phe Leu Phe His Gln Gln Gly Gln Ile Glu Val  
1 5 10 15  
Glu Ser Glu Thr Ile Phe Lys Leu Ala Ala Phe Ile Leu Gln Glu Ala  
20 25 30  
Lys Gly Asp Tyr Thr Ser Asp Glu Asn Ala Arg Lys Asp Leu Lys Thr  
35 40 45  
Leu Pro Ala Phe Pro Thr Asn  
50 55

<210> 6798

<211> 168

<212> PRT

<213> Homo sapiens

<400> 6798

Met Ser Ile Gln Ser Leu Cys Pro Phe Lys Lys Leu Phe Phe Ile Ile  
1 5 10 15  
Ile Glu Phe Leu Ile Val Ser Arg Tyr Lys Pro Pro Tyr His Thr Cys  
20 25 30  
Tyr Arg Ser Phe Tyr Pro Phe Cys Gly Ile Tyr Ile Phe Leu Phe Leu  
35 40 45  
Cys Ile Leu Phe Leu Pro His Ser  
50 55

<210> 6799

<211> 234

<212> PRT

<213> Homo sapiens

<400> 6799

Met Ala Cys Arg Arg Arg Tyr Phe Val Glu Gly Glu Ala Pro Ser Ser  
1 5 10 15  
Glu Thr Gly Thr Ser Leu Asp Ser Pro Ser Ala Tyr Pro Gln Gly Pro  
20 25 30  
Leu Val Pro Gly Ser Ser Leu Ser Pro Asp His Tyr Glu His Thr Ser  
35 40 45  
Val Glu Pro Met Gly Cys Thr Arg Gly Arg Arg Gly Asn Ser Ser Ala  
50 55 60  
Arg Xaa Gly Pro Ser Cys Ser Thr Arg Pro Pro Ser Cys Ala  
65 70 75

<210> 6800

<211> 165

<212> PRT

<213> Homo sapiens

<400> 6800

Met Glu Ala Val Asn Leu Leu Ser Ser Asn Lys Tyr Thr Glu Lys Gln  
1 5 10 15  
Ile Gly Tyr Leu Phe Ile Ser Val Leu Val Asn Ser Asn Ser Glu Leu  
20 25 30  
Ile Arg Leu Ile Asn Asn Ala Ile Lys Asn Asp Leu Ala Ser Arg Asn  
35 40 45  
Pro Thr Phe Met Cys Leu Ala  
50 55

<210> 6801

<211> 153

<212> PRT

<213> Homo sapiens

<400> 6801

Met Val Leu Asn Glu Val Asp Lys Asp Met Glu Ser Val Ile Pro Lys  
1 5 10 15  
Thr Asp Cys Arg Leu Arg Pro Asp Ile Arg Ala Met Glu Asn Gly Glu  
20 25 30  
Ile Asp Gln Ala Ser Glu Glu Lys Lys Arg Leu Glu Glu Lys Gln Arg  
35 40 45  
Ala Ala Arg  
50

<210> 6802

<211> 360

<212> PRT

<213> Homo sapiens

<400> 6802

Met Ala Ala Ser Lys Thr Gln Gly Ala Val Ala Arg Met Gln Glu Asp  
1 5 10 15  
Arg Asp Gly Ser Cys Ser Thr Val Gly Gly Val Gly Tyr Gly Asp Ser  
20 25 30  
Lys Asp Cys Ile Leu Glu Pro Leu Ser Leu Pro Glu Ser Pro Gly Gly  
35 40 45  
Thr Thr Thr Leu Glu Gly Ser Pro Ser Val Pro Cys Ile Phe Cys Glu  
50 55 60  
Glu His Phe Pro Val Ala Glu Gln Asp Lys Leu Leu Lys His Met Ile  
65 70 75 80  
Ile Glu His Lys Ile Val Ile Ala Asp Val Lys Leu Val Ala Asp Phe  
85 90 95  
Gln Arg Tyr Ile Leu Tyr Trp Arg Lys Arg Phe Thr Glu Gln Pro Ile  
100 105 110  
Thr Asp Phe Cys Ser Val Ile Arg  
115 120

<210> 6803

<211> 186

<212> PRT

<213> Homo sapiens

<400> 6803

004220-664560

Met Ser Ser Thr Arg Ser Gln Asn Pro His Gly Leu Lys Gln Ile Gly  
 1 5 10 15  
 Leu Asp Gln Ile Trp Asp Asp Leu Arg Ala Gly Ile Gln Gln Val Tyr  
 20 25 30  
 Thr Arg Gln Thr Trp Pro Ser Pro Asp Ile Trp Ser Ser Thr Leu Met  
 35 40 45  
 Phe Ile Thr Thr Val Leu Val Phe Thr Ser Gln Thr Lys His  
 50 55 60

<210> 6804  
 <211> 270  
 <212> PRT  
 <213> Homo sapiens

<400> 6804  
 Met Asp Gly Glu Trp Leu Cys Leu Arg Glu Leu Asp Asp Ile Ser Leu  
 1 5 10 15  
 Thr Pro Asp Pro Glu Pro Thr His Glu Asp Pro Asn Tyr Leu Met Ala  
 20 25 30  
 Asn Glu Arg Met Asn Leu Met Asn Met Ala Lys Leu Ser Ile Lys Gly  
 35 40 45  
 Leu Ile Glu Ser Ala Leu Asn Leu Gly Arg Thr Leu Asp Ser Asp Tyr  
 50 55 60  
 Ala Pro Leu Gln Gln Phe Val Val Met Glu His Cys Leu Lys Arg  
 65 70 75 80  
 Gly Leu Lys Ala Lys Lys Thr Phe Leu Glu  
 85 90

<210> 6805  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens

<400> 6805  
 Met Thr Arg His Leu Arg Leu Thr Ala Glu Gly Glu Arg Glu Glu Lys  
 1 5 10 15  
 Thr Glu Glu Ala Ser Asp Ile Thr Gly Arg Thr Glu Lys Gln Gln Trp  
 20 25 30  
 Gly Arg Thr Asp Gln Thr Pro Arg Leu Pro Ala Pro Lys Glu Gln Gly  
 35 40 45  
 Arg Ala Ala Asp Ala Leu Leu Lys Ala Val Ala Ala Ser Ser Val Ala  
 50 55 60  
 Glu Lys Ala Val Glu Ala Ala Arg Met Ala Lys Leu Ile Ala Gln Asn  
 65 70 75 80

<210> 6806  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 6806  
 Met Asn Arg Met Lys Glu Pro Ser Ser Pro Pro Pro Ala Pro Thr Ser  
 1 5 10 15  
 Ser Thr Phe Gly Leu Gln Asp Gly Asn Leu Arg Ala Pro His Lys Glu



20 25 30  
 Ser Thr Leu Pro Arg Ser Gly Ser Ser Gly Gly Gln Gln Pro Ser Gly  
 35 40 45  
 Met Lys Glu Gly Val Lys Arg Tyr Glu Gln Glu His Ser Ala Ile Gln  
 50 55 60  
 Asp Lys Leu Phe Gln Val Ala Lys Arg Glu Arg Glu Ala Ala Thr Lys  
 65 70 75 80  
 His Ser

<210> 6807  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 6807  
 Met Pro Arg Ser Pro Gly Ser Tyr Ala Asp Leu Gln Arg Phe Tyr Phe  
 1 5 10 15  
 Leu Ala Leu Glu Ser Ala Glu Ile Arg Arg His Arg Ala Gln Arg Xaa  
 20 25 30  
 Ala Ser Asp Pro Asp Cys Val Cys Leu Ser Gly Tyr Val Tyr Thr Asp  
 35 40 45  
 Glu Tyr Lys Met Phe Xaa Ser Leu Gly Phe Leu Leu Leu Phe Xaa Pro  
 50 55 60  
 Pro Ser His  
 65

<210> 6808  
 <211> 375  
 <212> PRT  
 <213> Homo sapiens

<400> 6808  
 Met Cys Gln Gln Glu Glu Val Lys Gln Glu Ile Thr Ala Thr Leu Glu  
 1 5 10 15  
 Ala Leu Cys Gly Ile Ala Glu Ala Thr Gln Ile Asp Asn Val Ala Ile  
 20 25 30  
 Leu Phe Asn Phe Leu Met Asp Phe Leu Thr Asn Cys Ile Gly Leu Met  
 35 40 45  
 Glu Val Tyr Lys Asn Thr Pro Glu Thr Val Asn Leu Ile Ile Glu Val  
 50 55 60  
 Phe Val Glu Val Ala His Lys Gln Ile Cys Tyr Leu Gly Glu Ser Lys  
 65 70 75 80  
 Ala Met Asn Leu Tyr Glu Ala Cys Leu Thr Leu Leu Gln Val Tyr Ser  
 85 90 95  
 Lys Asn Asn Leu Gly Arg Gln Arg Ile Asp Val Thr Ala Glu Glu Glu  
 100 105 110  
 Gln Tyr Gln Asp Leu Leu Leu Ile Met Glu Leu Leu Thr  
 115 120 125

<210> 6809  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 6809

Met His Pro Pro Leu Pro Leu Pro Gln Tyr Pro Pro Ser Ser Ser Asn  
1 5 10 15  
Xaa Val Val Thr Glu Arg Ile Pro Leu Ser Pro Ser Ser Gly Ser Pro  
20 25 30  
Val Gln Ile Leu Asp Phe Pro Pro Lys Met Lys Lys Asn Xaa Leu Lys  
35 40 45  
Asn Leu Asp Leu Lys Cys Leu Glu Asn Asn His Leu Phe Phe Tyr Val  
50 55 60

<210> 6810

<211> 159

<212> PRT

<213> Homo sapiens

<400> 6810

Met Lys Pro Ser His Val Ser Val Ser Pro Ala Pro Arg Gln Lys Gly  
1 5 10 15  
Trp Ala Gln Ser Tyr Gly Ser Gly Trp Cys Gly Leu Pro Arg Arg Pro  
20 25 30  
Gln Leu Gly Ala Trp Ala Ala Met Leu Xaa Ala Gly Pro Val Thr Ser  
35 40 45  
Leu Ser Leu Leu Glu  
50

<210> 6811

<211> 198

<212> PRT

<213> Homo sapiens

<400> 6811

Met Ser Lys Ser Ala Ser Phe Ala Phe Glu Phe Pro Lys Asp Arg Ser  
1 5 10 15  
Gly Ile Glu Thr Phe Ser Pro Pro Pro Pro Pro Lys Ser Arg His  
20 25 30  
Leu Leu Lys Met Asn Lys Ser Ser Ser Asp Leu Glu Lys Val Ser Xaa  
35 40 45  
Xaa Ser Ala Arg Gly Leu Ser Pro Ser Xaa Xaa Gly Val His Val Ser  
50 55 60  
Phe Thr  
65

<210> 6812

<211> 186

<212> PRT

<213> Homo sapiens

<400> 6812

Met Gly Met Pro Glu Cys Pro Gly Lys Ser Leu Leu Gln Gly Gln Ser  
1 5 10 15  
Pro Gln Gly Lys Pro Leu Leu Gly Gln Cys Gly Arg Glu Met Trp Gly  
20 25 30  
Trp Ser Pro Gln Ser Pro His Trp Ser Thr Ala Tyr Trp Ser Xaa Glu  
35 40 45

Lys Gly Leu Pro Phe Ser Arg Pro Gln Asn Tyr Arg Pro Thr  
 50 55 60

<210> 6813  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 6813  
 Met Met Gly Val Lys Phe Trp Ala Thr Phe Ser Ser Ile Ile Leu Thr  
 1 5 10 15  
 Ser Arg Ile Val Ser Cys Thr Val Cys Ile Arg Ser His His Phe Trp  
 20 25 30  
 Gly Ala Phe Leu Ser Ser Leu Tyr Leu Pro Tyr Phe Gly Ser Phe Trp  
 35 40 45  
 Leu Phe Ser Glu Thr Arg Asp Met  
 50 55

<210> 6814  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 6814  
 Met Pro Arg Leu Val Gly Ala Gln Asn Pro His Arg Lys Val Pro Arg  
 1 5 10 15  
 Ala Ala Arg Gly Gly Thr His Gly Val Arg Val Ser Xaa Ala Pro Ser  
 20 25 30  
 Ile Pro Pro Gly Pro Gly Pro Leu Gln Leu Ile Ala Arg Gly Phe Ser  
 35 40 45  
 Ala Ser Ala Leu Val Gly Arg Ser Cys Ser  
 50 55

<210> 6815  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 6815  
 Met Leu Leu Leu Trp Arg Asn Val Phe Pro Arg Ser Leu Lys Glu Leu  
 1 5 10 15  
 Glu Ala Glu Lys Ala Arg Gly Asp Ser Phe Thr Trp Gln Val Thr Leu  
 20 25 30  
 Glu Gly Arg Ala Gly Ala Leu Cys Ala Met Arg Ser Phe Val Ala His  
 35 40 45  
 Cys Pro Glu Leu Leu Thr Glu Asp Val Ile Arg Lys Leu Met Thr Pro  
 50 55 60  
 Ile Glu Cys Ala Met Thr Met Met Ser His Ile Pro Ser Val Met Lys  
 65 70 75 80  
 Ala Pro

<210> 6816  
 <211> 177  
 <212> PRT

<213> Homo sapiens

<400> 6816

Met Pro Asn Arg His Leu Ser Trp His Gly Gly Pro Ser Ala Leu Pro  
1 5 10 15  
Ser Ser Pro Gln Val Met Asp Ser Ser Met Pro Leu Ile Gly Glu His  
20 25 30  
Val Glu Glu Asp Arg Gln Leu Met Ala Asp Leu Val Val Ser Lys Met  
35 40 45  
Ser Gln Leu Pro Met Pro Gly Gly Thr Ala Pro  
50 55

<210> 6817

<211> 216

<212> PRT

<213> Homo sapiens

<400> 6817

Met Gly Cys Lys Arg Ala Ser Glu Val Cys Gly Xaa Ala Val Glu Gly  
1 5 10 15  
Leu Arg Asp Pro Leu Lys Pro Ser Glu Pro Ser Gln Gly Ala Ala Gly  
20 25 30  
Lys Arg Lys Gly Thr Glu Tyr Leu Met Lys Gln Lys Leu Glu Phe Gly  
35 40 45  
Gly Arg Gly Glu Glu Leu Leu Gly Val His Leu Arg Gly Ala Gln  
50 55 60  
Lys Thr Gly Gly Gly Trp Arg Arg  
65 70

<210> 6818

<211> 300

<212> PRT

<213> Homo sapiens

<400> 6818

Met Gln Glu Ser Leu Arg Val Lys Gln Leu Ala Glu Glu Gln Lys Arg  
1 5 10 15  
Arg Glu Arg Glu Gln His Ile Ala Glu Cys Met Ala Lys Met Pro Gln  
20 25 30  
Met Ile Val Asn Trp Gln Gln Gln Gln Arg Glu Asn Trp Glu Lys Ala  
35 40 45  
Gln Ala Asp Lys Glu Arg Arg Ala Arg Leu Gln Ala Glu Ala Gln Glu  
50 55 60  
Leu Leu Gly Tyr Gln Val Asp Pro Arg Ser Ala Arg Phe Gln Glu Leu  
65 70 75 80  
Leu Gln Asp Leu Glu Lys Lys Glu Arg Lys Xaa Leu Lys Glu Glu Lys  
85 90 95  
Gln Lys Arg Lys  
100

<210> 6819

<211> 216

<212> PRT

<213> Homo sapiens

<400> 6819

Met Leu Asp Arg Asp Val Gly Pro Thr Pro Ile Tyr Pro Pro Thr Tyr  
1 5 10 15  
Leu Glu Pro Gly Ile Gly Arg His Thr Pro Tyr Gly Asn Gln Thr Asp  
20 25 30  
Tyr Arg Ile Phe Glu Leu Asn Lys Arg Leu Gln Asn Trp Thr Glu Glu  
35 40 45  
Cys Asp Asn Leu Trp Trp Asp Ala Phe Thr Thr Glu Phe Phe Glu Asp  
50 55 60  
Asp Ala Met Leu Thr Ile Thr Phe  
65 70

<210> 6820

<211> 324

<212> PRT

<213> Homo sapiens

<400> 6820

Met Pro Leu Phe Gln Ser His Leu Tyr Ser Arg Gln Pro Cys Gly Val  
1 5 10 15  
Arg Cys Thr Gly Pro Ala Tyr Xaa Cys Arg Lys Arg Asp Val Leu Pro  
20 25 30  
Ser Asp Lys Val Thr Trp Leu Phe Ser Asn Thr Asp Lys Ala Pro Arg  
35 40 45  
Gln Gly Thr Arg Gly Arg Arg Gly Gln Gln Leu Ala Val Ala Ala Asp  
50 55 60  
Val Cys Pro Gln Leu His His Ser Ser Leu Trp Leu Cys Arg Ala Arg  
65 70 75 80  
Gly Phe Ser Val Arg Val Ser Met Cys Leu Pro Phe Arg Ser Ser Gln  
85 90 95  
Leu Val Cys Leu Ala Val Pro Gly Leu Cys Ser Val  
100 105

<210> 6821

<211> 264

<212> PRT

<213> Homo sapiens

<400> 6821

Met Pro Arg Lys Arg Ile Ser Gly Leu Glu Trp Leu Leu Gln Gln Asp  
1 5 10 15  
Pro Gly Phe Ser Leu Val Asn Thr Val Lys Ala Gly Met Ile Ile Ser  
20 25 30  
Phe Pro Ser Asn Asn Ile Tyr Ser Ser Val Cys Cys Cys Gln Ser Glu  
35 40 45  
Ile Phe Lys Tyr Glu Phe Ser Asn Ser Lys Lys Ser Ser Trp Ile Gln  
50 55 60  
Glu Glu Arg His Leu Gly Lys Asn Asn Val Leu Xaa Ser Ala His Asp  
65 70 75 80  
Val Ser Pro Glu Lys Val Thr Ser  
85

<210> 6822

<211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6822  
 Met Ile Leu Ser Leu Arg Asn Leu Val Glu Pro Thr Gly Glu Ser Ser  
 1 5 10 15  
 Phe Trp Glu Thr Met Asp Val Pro His Cys Arg Arg Ile Ser Arg Glu  
 20 25 30  
 Gln Cys Leu Glu Gln Met Leu Val Leu Lys Lys Val Tyr Glu Met Pro  
 35 40 45  
 Ala Asp Val Ser  
 50

<210> 6823  
 <211> 228  
 <212> PRT  
 <213> Homo sapiens

<400> 6823  
 Met Arg Arg Lys Met Glu Asp Lys His Val Cys Ile Pro Asp Phe Asn  
 1 5 10 15  
 Met Leu Phe Asn Leu Glu Asp Gln Glu Glu Gln Ala Tyr Phe Ala Val  
 20 25 30  
 Phe Asp Gly His Gly Gly Xaa Asp Ala Ala Ile Tyr Ala Ser Ile His  
 35 40 45  
 Leu His Val Asn Leu Val Arg Gln Glu Met Phe Pro His Asp Pro Ala  
 50 55 60  
 Glu Ala Leu Cys Arg Ala Phe Arg Val Thr Asp Glu  
 65 70 75

<210> 6824  
 <211> 336  
 <212> PRT  
 <213> Homo sapiens

<400> 6824  
 Met Ala Thr Ala Leu Ala Leu Arg Ser Leu Tyr Arg Ala Arg Pro Ser  
 1 5 10 15  
 Leu Arg Cys Pro Pro Val Glu Leu Pro Trp Ala Pro Arg Arg Gly His  
 20 25 30  
 Arg Leu Ser Pro Ala Asp Asp Glu Leu Tyr Gln Arg Thr Arg Ile Ser  
 35 40 45  
 Leu Leu Gln Arg Glu Ala Ala Gln Ala Met Tyr Ile Asp Ser Tyr Asn  
 50 55 60  
 Ser Arg Gly Phe Met Ile Asn Gly Asn Arg Val Leu Gly Pro Cys Ala  
 65 70 75 80  
 Leu Leu Pro Tyr Ser Val Val Gln Trp Asn Val Gly Ser His Gln Asp  
 85 90 95  
 Ile Thr Glu Asp Ser Phe Ser Leu Phe Trp Leu Leu Glu Pro Arg Ile  
 100 105 110

<210> 6825  
 <211> 168

<212> PRT  
<213> Homo sapiens

<400> 6825

Met	Pro	Ser	Gly	Ser	Ser	Asp	Leu	Met	Glu	Asp	Ser	Lys	Val	Ser	Asn
1				5					10					15	
Arg	Leu	Lys	Gly	Asp	Lys	Gly	Ser	Ser	Ser	Arg	Tyr	Val	Pro	Ser	Val
			20				25						30		
Thr	Lys	Leu	Gln	Val	Glu	Thr	Ile	Thr	Arg	Asn	Phe	Val	Pro	Tyr	Val
		35				40						45			
Ser	Phe	His	Gln	Met	Thr	Asn	Ser								
	50					55									

<210> 6826  
<211> 462  
<212> PRT  
<213> Homo sapiens

<400> 6826

Met	Gly	Asn	Arg	Gly	Met	Glu	Asp	Leu	Ile	Pro	Leu	Val	Asn	Arg	Leu
1				5					10					15	
Gln	Asp	Ala	Phe	Ser	Ala	Ile	Gly	Gln	Asn	Ala	Asp	Leu	Asp	Leu	Pro
			20				25						30		
Gln	Ile	Ala	Val	Val	Gly	Gly	Gln	Ser	Ala	Gly	Lys	Ser	Ser	Val	Leu
		35				40						45			
Glu	Asn	Phe	Val	Gly	Arg	Asp	Phe	Leu	Pro	Arg	Gly	Ser	Gly	Ile	Val
	50				55					60					
Thr	Arg	Arg	Pro	Leu	Val	Leu	Gln	Leu	Val	Asn	Ala	Thr	Thr	Glu	Tyr
65				70					75					80	
Ala	Glu	Phe	Leu	His	Cys	Lys	Gly	Lys	Lys	Phe	Thr	Asp	Phe	Glu	Glu
			85					90						95	
Val	Arg	Leu	Glu	Ile	Glu	Ala	Glu	Thr	Asp	Arg	Val	Thr	Gly	Thr	Asn
		100					105						110		
Lys	Gly	Ile	Ser	Pro	Val	Pro	Ile	Asn	Leu	Arg	Val	Tyr	Ser	Pro	His
		115				120						125			
Gly	Glu	Asp	Pro	Gly	Pro	Ala	Leu	Thr	Ser	Lys	Asn	His	Phe	Leu	Gly
	130					135					140				
His	Ala	Pro	Leu	Arg	Ala	Ser	Leu	Leu	Leu						
145					150										

<210> 6827  
<211> 174  
<212> PRT  
<213> Homo sapiens

<400> 6827

Met	Ile	Gly	Leu	Glu	Asp	Phe	Val	Ala	Asp	Asn	Tyr	Ser	Lys	Ile	Gly
1			5						10					15	
Asn	Gln	Val	Leu	Pro	Pro	Gly	Ala	Ser	Leu	Gly	Asn	Gly	Leu	Thr	Pro
			20				25						30		
Glu	Ala	Ala	Arg	Asp	Leu	Gly	Leu	Leu	Pro	Gly	Ile	Ala	Val	Ala	Ala
		35				40						45			
Ser	Leu	Ile	Asp	Ala	His	Ala	Gly	Gly	Leu						
	50					55									

<210> 6828  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6828  
 Met Glu His Lys Ser Gly Ser Leu Ser Ser Ser Arg Glu Ser Ala Phe  
 1 5 10 15  
 Thr Ser Pro Ile Ser Val Thr Lys Pro Val Val Leu Ala Ser Gly Ala  
 20 25 30  
 Ala Leu Ser Ser Pro Lys Glu Ser Pro Ser Ser Thr Thr Pro Pro Ile  
 35 40 45  
 Glu Ile Ser Ser Ser Arg Leu Thr Lys Leu Thr Arg  
 50 55 60

<210> 6829  
 <211> 375  
 <212> PRT  
 <213> Homo sapiens

<400> 6829  
 Met Glu Asn Ile Val Tyr Leu Thr Asn Ser Leu Glu Leu Glu His Ile  
 1 5 10 15  
 Glu Val Lys Phe Ala Ser Glu Ala Glu Asp Lys Ile Arg Glu Asp Cys  
 20 25 30  
 Cys Pro Gly Lys Pro Leu Asn Val Phe Arg Ile Glu Pro Gly Val Ser  
 35 40 45  
 Val Ser Leu Val Asn Pro Gln Pro Ser Asn Gly His Phe Ser Thr Lys  
 50 55 60  
 Ile Glu Ile Arg Gln Gly Asp Asn Cys Asp Ser Ile Ile Arg Arg Leu  
 65 70 75 80  
 Met Lys Met Asn Arg Gly Ile Lys Asp Leu Ser Lys Val Lys Leu Met  
 85 90 95  
 Arg Phe Asp Asp Pro Leu Leu Gly Pro Arg Arg Gly Pro Val Leu Gly  
 100 105 110  
 Lys Glu Tyr Thr Glu Lys Thr Pro Ile Ser Glu His Ala  
 115 120 125

<210> 6830  
 <211> 306  
 <212> PRT  
 <213> Homo sapiens

<400> 6830  
 Met Lys Glu Lys Gly Gln His Leu Glu Pro Phe Ile Met Asn Phe Ile  
 1 5 10 15  
 Asn Ser Cys Glu Ser Pro Lys Pro Lys Pro Ser Arg Pro Glu Leu Thr  
 20 25 30  
 Ile Leu Ser Pro Thr Ser Glu Asn Asn Lys Lys Leu Phe Asn Asp Leu  
 35 40 45  
 Phe Lys Asn Asn Ala Asn Arg Ala Glu Asn Thr Glu Arg Lys Gln Asn  
 50 55 60  
 Gln Asn Tyr Phe Met Glu Val Met Thr Val Glu Gly Val Tyr Asp Tyr



65                      70                      75                      80  
 Leu Met Tyr Val Gly Arg Val Val Phe Gln Val Pro Asp Trp Leu His  
                                  85                      90                      95  
 His Leu Leu Met Gly Thr  
                                  100

<210> 6831  
 <211> 291  
 <212> PRT  
 <213> Homo sapiens

<400> 6831  
 Met Glu Arg Leu Leu Asp Tyr Arg Asp Cys Met Lys Met Gly Glu Val  
 1                      5                      10                      15  
 Asp Gly Lys Lys Ile Gly Cys Thr Val Ser Leu Leu Asn Phe Tyr Lys  
                                  20                      25                      30  
 Thr Glu Leu Asn Lys Glu Glu Met Tyr Ile Arg Tyr Ile His Lys Leu  
                                  35                      40                      45  
 Tyr Asp Leu His Leu Lys Ala Gln Asn Phe Thr Glu Ala Ala Tyr Thr  
                                  50                      55                      60  
 Leu Leu Leu Tyr Asp Glu Leu Leu Glu Trp Ser Asp Arg Pro Leu Arg  
 65                      70                      75                      80  
 Glu Phe Leu Thr Tyr Pro Met Gln Thr Glu Trp Gln Arg Lys Glu His  
                                  85                      90                      95  
 Leu

<210> 6832  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6832  
 Met Met Pro Pro Ala Leu Phe Ile Gly Leu Arg Ile Val Leu Ala Met  
 1                      5                      10                      15  
 Arg Ala Leu Phe Trp Phe His Met Asn Ile Lys Val Val Phe Cys Asn  
                                  20                      25                      30  
 Ser His Gln Pro Ser Leu Ile Leu Pro Ile Tyr Tyr Asn Val Met Leu  
                                  35                      40                      45  
 Leu Ala Gln Leu Arg Lys Tyr Cys Cys Tyr Thr Pro  
                                  50                      55                      60

<210> 6833  
 <211> 318  
 <212> PRT  
 <213> Homo sapiens

<400> 6833  
 Met Thr Lys Asn His Ala Ala Ile Lys Thr His Ala His Val Cys Leu  
 1                      5                      10                      15  
 Leu Trp His Tyr Ser Gln Ile Ala Lys Thr Trp Asn Gln Pro Lys Cys  
                                  20                      25                      30  
 Pro Thr Met Ile Asp Trp Ile Lys Lys Met Trp His Ile Tyr Thr Met  
                                  35                      40                      45  
 Glu Tyr Tyr Ala Ala Ile Lys Asn Asp Glu Phe Met Ser Phe Val Gly

50                      55                      60  
 Thr Trp Met Lys Leu Glu Thr Ile Ile Leu Ser Lys Leu Ser Gln Xaa  
 65                      70                      75                      80  
 Gln Lys Asn Gln Thr Pro Xaa Xaa Leu Thr His Arg Trp Glu Leu Xaa  
                     85                      90                      95  
 Xaa Glu Ile Thr Trp Thr Gln Glu Gly Asp  
                     100                      105

<210> 6834  
 <211> 276  
 <212> PRT  
 <213> Homo sapiens

<400> 6834  
 Met Xaa Ile Val Ala Leu Phe Thr Ile Ala Lys Thr Trp Asn Gln Pro  
 1                      5                      10                      15  
 Lys Cys Pro Thr Met Ile Asp Trp Ile Lys Lys Met Trp His Ile Tyr  
                     20                      25                      30  
 Thr Met Glu Tyr Tyr Ala Ala Ile Lys Asn Asp Glu Phe Met Ser Phe  
                     35                      40                      45  
 Val Gly Thr Trp Met Lys Leu Glu Thr Ile Ile Leu Ser Lys Leu Ser  
                     50                      55                      60  
 Gln Glu Gln Lys Asn Gln Thr Pro His Ile Leu Thr His Arg Trp Glu  
 65                      70                      75                      80  
 Leu Asn Asn Glu Ile Thr Trp Thr Gln Glu Gly Asp  
                     85                      90

<210> 6835  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 6835  
 Met Leu Thr Arg Leu Asp Leu Arg Arg Ser Ala His Leu Gly Leu Leu  
 1                      5                      10                      15  
 Lys Cys Trp Asp Tyr Arg Arg Glu Asp Ser Leu Ser Pro Gly Val Arg  
                     20                      25                      30  
 Asp Leu Pro Gly Gln Tyr Ser Glu Thr Pro Phe Ser Arg Lys Arg Lys  
                     35                      40                      45  
 Lys Lys Lys  
                     50

<210> 6836  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6836  
 Met Leu Thr Arg Leu Asp Leu Arg Arg Ser Ala His Leu Gly Leu Leu  
 1                      5                      10                      15  
 Lys Cys Trp Asp Tyr Arg Arg Glu Asp Ser Leu Ser Pro Gly Val Arg  
                     20                      25                      30  
 Asp Leu Pro Gly Gln Tyr Ser Glu Thr Pro Phe Ser Arg Lys Arg Lys  
                     35                      40                      45

Lys Lys Lys Lys Lys Pro  
50

<210> 6837

<211> 162

<212> PRT

<213> Homo sapiens

<400> 6837

Met Leu Thr Arg Leu Asp Leu Arg Arg Ser Ala His Leu Gly Leu Leu  
1 5 10 15  
Lys Cys Trp Asp Tyr Arg Arg Glu Asp Ser Leu Ser Pro Gly Val Arg  
20 25 30  
Asp Leu Pro Gly Gln Tyr Ser Glu Thr Pro Phe Ser Arg Lys Arg Lys  
35 40 45  
Lys Lys Lys Lys Xaa Pro  
50

<210> 6838

<211> 165

<212> PRT

<213> Homo sapiens

<400> 6838

Met Lys Ile Ile Phe Ser Phe Leu Ser Asp Leu Glu Ser Arg Asn Glu  
1 5 10 15  
Thr Lys His Leu Ser Val Gly Lys Asp Ile Ile Gln Asn Thr Gly Ser  
20 25 30  
Gln Trp Glu Val Met Glu Ser Ser Lys Leu Cys Gly Leu Glu Gly Ser  
35 40 45  
Ile Phe Arg Asn Asp Trp Pro  
50 55

<210> 6839

<211> 222

<212> PRT

<213> Homo sapiens

<400> 6839

Met Thr Asn Xaa Ser Thr Ser Gly Lys Lys Ala Ser Gln Val Ile Val  
1 5 10 15  
Gln Val Asn Xaa Arg Ala Ser Val Thr Thr Ile Ala Glu Gly Ile Gln  
20 25 30  
Pro Glu Glu Gln Asp Val Ser Ser Gly Thr His Ile Phe Lys Ser Lys  
35 40 45  
His Ile Lys Leu Gln Arg Pro Cys Glu Ala Ala Val Ile Ser Ser Met  
50 55 60  
Arg Ser Gln Gln Gln Ala Leu Pro Glu Gln  
65 70

<210> 6840

<211> 228

<212> PRT

<213> Homo sapiens

<400> 6840

Met Ser Leu Ser Asp Trp His Leu Ala Val Lys Leu Ala Asp Gln Pro  
1 5 10 15  
Leu Thr Pro Lys Ser Ile Leu Arg Leu Pro Glu Thr Glu Leu Gly Glu  
20 25 30  
Tyr Ser Leu Gly Gly Tyr Ser Ile Ser Phe Leu Lys Gln Leu Ile Ala  
35 40 45  
Gly Lys Leu Gln Glu Ser Val Pro Asp Pro Glu Leu Ile Asp Leu Ile  
50 55 60  
Tyr Cys Gly Arg Lys Leu Lys Asp Asp Gln Thr Leu  
65 70 75

<210> 6841

<211> 204

<212> PRT

<213> Homo sapiens

<400> 6841

Met Gln Asn Ser Pro Asp Pro Glu Glu Glu Glu Val Leu Glu Glu  
1 5 10 15  
Glu Asp Gly Gly Glu Thr Ser Ser Gln Ala Asp Ser Val Leu Leu Gln  
20 25 30  
Glu Met Gln Ala Leu Thr Gln Xaa Phe Asn Xaa Asn Trp Ser Tyr Glu  
35 40 45  
Gly Leu Arg His Met Ser Gly Ser Glu Leu Thr Glu Leu Leu Asp Xaa  
50 55 60  
Val Glu Gly Ala  
65

<210> 6842

<211> 165

<212> PRT

<213> Homo sapiens

<400> 6842

Met Glu Lys Gln Gly His Thr Lys Val Lys Gln Pro Ala Gln Gly His  
1 5 10 15  
Pro Ala Val Ser Ser Gly Val Glu Phe Glu Pro Arg Gln Ser Ser Cys  
20 25 30  
Val Trp Val Leu Ser Ser Thr Pro Pro Leu Pro Thr Thr Ile Ser Ala  
35 40 45  
Ala Pro Ala Leu Asn His Leu  
50 55

<210> 6843

<211> 171

<212> PRT

<213> Homo sapiens

<400> 6843

Met Arg Leu Ile Arg Asn Ile Tyr Ile Phe Cys Ser Ile Val Met Thr  
1 5 10 15  
Ala Glu Gly Asp Ala Pro Glu Leu Pro Glu Glu Arg Glu Leu Met Thr

20                      25                      30  
 Asn Cys Ser Asn Met Ser Leu Arg Lys Val Pro Ala Asp Leu Thr Pro  
          35                      40                      45  
 Ala Thr Thr Thr Leu Asp Ser Tyr Asn  
      50                      55

<210> 6844  
 <211> 258  
 <212> PRT  
 <213> Homo sapiens

<400> 6844  
 Met Leu Ser Lys Val Gly Met Trp Asp Phe Asp Ile Phe Leu Phe Asp  
 1                      5                      10                      15  
 Arg Leu Thr Asn Gly Asn Ser Leu Val Thr Leu Leu Cys His Leu Phe  
          20                      25                      30  
 Asn Xaa Xaa Trp Thr His Ser Pro Phe Gln Val Arg Tyr Gly Xaa Xaa  
          35                      40                      45  
 Thr Pro Ile Phe Ser His Gly Ser Arg Arg Leu Pro Gln Xaa Xaa Xaa  
          50                      55                      60  
 Val Ser Gln Cys Cys Ser Arg Xaa Arg Arg His Pro Gly His Ala Leu  
 65                      70                      75                      80  
 Leu Pro Glu Arg Ala Gly  
                          85

<210> 6845  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6845  
 Met Ala Pro Leu Pro Gly Ala Glu Leu Val Arg Arg Pro Leu Gln Leu  
 1                      5                      10                      15  
 Tyr Arg Tyr Leu Leu Arg Cys Cys Gln Gln Leu Pro Thr Lys Gly Ile  
          20                      25                      30  
 Gln Gln His Tyr Lys His Ala Val Arg Gln Ser Phe Arg Val His Ser  
          35                      40                      45  
 Asp Glu Asp Asn  
      50

<210> 6846  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 6846  
 Met Val Asn Asp Ser Ser Arg Xaa Gly Glu His Phe Pro Gly Xaa Ile  
 1                      5                      10                      15  
 Xaa Lys Asp Xaa Gly Glu Asn Val Asn Ala Asn Cys His Leu Xaa Asn  
          20                      25                      30  
 Val Cys Ile Ala Ala Asn Ile Asn Lys Thr Leu Thr Lys Ile Arg Ser  
          35                      40                      45  
 Ile Xaa Glu Pro Val Ala Leu Leu Gln Glu Val Tyr Arg Asn Ser Val  
      50                      55                      60

Thr Asp Leu Ser Pro  
65

<210> 6847

<211> 258

<212> PRT

<213> Homo sapiens

<400> 6847

Met Pro Tyr Asp Leu Cys Glu Asp Glu Pro Thr Leu Asp Val Ile Glu  
1 5 10 15  
Thr Cys Met Ala Tyr Gln Gly Ile Thr Gln Glu Lys Ile Asn Glu Met  
20 25 30  
Arg Val Ala Pro Glu Gln Gln Met Ile Ala Asp Ile His Cys Met Ile  
35 40 45  
Ala Ala Gly Gln Asp Leu Asp Trp Ile Asp Ala Gln Gly Ala Thr Leu  
50 55 60  
Leu His Ile Ala Gly Ala Asn Gly Tyr Leu Arg Ala Ala Glu Leu Leu  
65 70 75 80  
Leu Asp His Gly Val Arg  
85

<210> 6848

<211> 291

<212> PRT

<213> Homo sapiens

<400> 6848

Met Met Arg Phe Ile Tyr Thr Gly Arg Ala Pro Asn Leu Asp Lys Met  
1 5 10 15  
Ala Asp Asn Leu Leu Ala Ala Ala Asp Lys Tyr Ala Leu Glu Arg Leu  
20 25 30  
Lys Val Met Cys Glu Glu Ala Leu Cys Ser Asn Leu Ser Val Glu Asn  
35 40 45  
Val Ala Asp Thr Leu Val Leu Ala Asp Leu His Ser Ala Glu Gln Leu  
50 55 60  
Lys Ala Gln Ala Ile Asp Phe Ile Asn Arg Cys Ser Val Leu Arg Gln  
65 70 75 80  
Leu Gly Cys Lys Asp Gly Lys Asn Trp Asn Ser Asn Gln Ala Thr Val  
85 90 95  
Ile

<210> 6849

<211> 219

<212> PRT

<213> Homo sapiens

<400> 6849

Met Leu Ile Pro Gln Leu Lys Glu Ser Leu Gln Thr Leu Met Lys Val  
1 5 10 15  
Ala Ala Gln Asn Leu Ile Xaa Asn Thr Asn Ile Asp Asn Gly Gln Lys  
20 25 30  
Ser Ser Asp Gly Pro Ile Gln Arg Phe Asp Lys Cys Leu Glu Glu Phe  
35 40 45

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Tyr Ala Leu Cys Asp Gln Leu Glu Leu Xaa Leu Arg Leu Ala Xaa Glu  
50 55 60  
Xaa Leu Ser Gln Ser Cys Asp Ser Ala  
65 70

<210> 6850  
<211> 255  
<212> PRT  
<213> Homo sapiens

<400> 6850  
Met Ala Ser Asp Ile Pro Gly Ser Val Thr Leu Pro Val Ala Pro Met  
1 5 10 15  
Ala Ala Thr Gly Gln Val Arg Met Ala Gly Ala Met Pro Ala Arg Gly  
20 25 30  
Gly Lys Arg Arg Ser Gly Met Asp Phe Asp Asp Glu Asp Gly Glu Gly  
35 40 45  
Pro Ser Lys Phe Ser Arg Glu Xaa His Ser Glu Ile Glu Arg Arg Arg  
50 55 60  
Arg Asn Lys Met Thr Gln Tyr Ile Thr Glu Leu Ser Asp Met Val Pro  
65 70 75 80  
Thr Cys Ser Asp Trp  
85

<210> 6851  
<211> 165  
<212> PRT  
<213> Homo sapiens

<400> 6851  
Met Gln Leu Val Leu Gln Thr Arg Val His Thr Gly Ala Ser Ser Pro  
1 5 10 15  
Pro Gly Thr Asp Arg Cys Ser Pro Trp Xaa Val Thr Trp Gly Ala Ser  
20 25 30  
Xaa Lys Gln Val Xaa Lys Glu Asn Ile Xaa Gly Lys Pro Ala Asp Arg  
35 40 45  
Lys Xaa Thr Val Gly Val Gly  
50 55

<210> 6852  
<211> 174  
<212> PRT  
<213> Homo sapiens

<400> 6852  
Met Asp Asn Val Thr Val Arg Gln Gly Glu Ser Ala Thr Leu Arg Cys  
1 5 10 15  
Thr Ile Asp Asp Arg Val Thr Arg Val Ala Trp Leu Asn Arg Ser Thr  
20 25 30  
Ile Leu Tyr Ala Gly Asn Asp Lys Trp Ser Ile Xaa Pro Arg Val Ile  
35 40 45  
Ile Leu Val Asn Thr Pro Thr Gln Tyr Ser  
50 55

<210> 6853  
 <211> 249  
 <212> PRT  
 <213> Homo sapiens

<400> 6853  
 Met Lys Pro Asp Glu Thr Pro Met Phe Asp Pro Ser Leu Leu Lys Glu  
 1 5 10 15  
 Val Asp Trp Ser Gln Asn Thr Ala Thr Phe Ser Pro Ala Ile Ser Pro  
 20 25 30  
 Thr His Pro Gly Glu Gly Leu Val Leu Arg Pro Leu Cys Thr Ala Asp  
 35 40 45  
 Leu Asn Arg Gly Phe Phe Lys Val Leu Gly Gln Leu Thr Glu Thr Gly  
 50 55 60  
 Val Val Ser Pro Glu Gln Phe Met Lys Ser Phe Glu His Met Lys Lys  
 65 70 75 80  
 Ser Gly Asp

<210> 6854  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 6854  
 Met Ala Gly Ser Ser Glu Glu Ala Pro Asp Tyr Gly Arg Gly Val Val  
 1 5 10 15  
 Ile Met Asp Asp Trp Pro Gly Tyr Asp Leu Asn Leu Phe Thr Tyr Pro  
 20 25 30  
 Gln His Tyr Tyr Gly Asp Leu Glu Tyr Val Leu Ile Pro His Gly Ile  
 35 40 45  
 Ile Val Asp Arg Ile Glu Xaa Leu Ala Lys  
 50 55

<210> 6855  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6855  
 Met Cys Gly Ile Tyr Tyr Ile Cys Trp Pro Phe Tyr Leu Phe Phe Leu  
 1 5 10 15  
 Cys Ile Tyr Gln Cys Glu Xaa Phe Ala Xaa Phe Pro Trp Arg Tyr Leu  
 20 25 30  
 Leu Val Ile Glu Ala His Val Phe Ile Ile Asn Xaa Phe Phe Cys Asn  
 35 40 45  
 Asn Cys Ser Ser  
 50

<210> 6856  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 6856



Met Ile Glu Phe Tyr Ala Pro Trp Cys Pro Ala Cys Gln Asn Leu Gln  
 1 5 10 15  
 Pro Glu Trp Glu Ser Phe Ala Glu Trp Gly Glu Asp Leu Glu Val Asn  
 20 25 30  
 Ile Ala Lys Val Asp Val Thr Glu Gln Pro Gly Leu Ser Gly Arg Phe  
 35 40 45  
 Ile Ile Thr Ala Leu Pro Thr Ile Tyr His Cys Lys Asp Gly Glu Phe  
 50 55 60

<210> 6857  
 <211> 225  
 <212> PRT  
 <213> Homo sapiens

<400> 6857  
 Met Gln Glu Leu Arg Ser Arg Asn Phe Gln Gln Leu Ser Val Asp Val  
 1 5 10 15  
 Leu His Glu Ser Asp Glu Pro Thr Leu Glu Asn Leu Pro Glu Ser Gln  
 20 25 30  
 Pro Ile Pro Ser Met Asp Leu His Glu Leu Glu Ser Ile Val Glu Asp  
 35 40 45  
 Ala Thr Ser Asp Leu Gly Tyr His Glu Ile Pro Glu Asp Pro Leu Val  
 50 55 60  
 Ala Glu Glu Tyr Tyr Ala Asp Ala Phe Asp Ser  
 65 70 75

<210> 6858  
 <211> 303  
 <212> PRT  
 <213> Homo sapiens

<400> 6858  
 Met Ala Gly Asp Thr His Cys Pro Ala Glu Pro Leu Ala Arg Glu Gly  
 1 5 10 15  
 Thr Leu Trp Glu Ala Leu Arg Ala Leu Leu Pro His Ser Lys Glu Asp  
 20 25 30  
 Leu Lys Leu Asp Leu Gly Glu Lys Val Glu Arg Ser Val Val Thr Leu  
 35 40 45  
 Leu Gln Arg Ala Thr Glu Leu Phe Tyr Glu Gly Arg Arg Asp Glu Cys  
 50 55 60  
 Leu Gln Ser Ser Glu Xaa Ile Leu Asp Tyr Ser Trp Glu Lys Leu Asn  
 65 70 75 80  
 Thr Gly Thr Trp Gln Asp Val Asp Lys Asp Trp Arg Arg Val Tyr Ala  
 85 90 95  
 Ile Gly Cys Leu Leu  
 100

<210> 6859  
 <211> 249  
 <212> PRT  
 <213> Homo sapiens

<400> 6859  
 Met Ile His Gln Val Pro Ile Lys Ser Leu Pro Gln Glu Trp Leu Trp

1                      5                      10                      15  
 Cys Glu Thr Trp Cys Asp Asp Ala Ser Lys Lys Arg Ala Lys Thr Ile  
                     20                      25                      30  
 Asp Leu Cys Asn Asn Pro Met Thr Lys Glu Pro Lys Leu Glu Ala Ala  
                     35                      40                      45  
 Val Arg Ile Val Pro Glu Trp Gln Asp Tyr Asp Gln Glu Ile Lys Gln  
                     50                      55                      60  
 Leu Gln Ile Arg Phe Gln Lys Glu Lys Glu Thr Gly Ala Leu Tyr Lys  
 65                      70                      75                      80  
 Glu Lys Thr

<210> 6860  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 6860  
 Met Arg Tyr Gly Glu Leu Glu Glu Gly Ile Asp Val Leu Asp Ser Asp  
 1                      5                      10                      15  
 Gly Asn Leu Val Gly Ser Ser Lys Ile Ala Ala Arg His Ala Leu Leu  
                     20                      25                      30  
 Glu Thr Ala Leu Thr Arg Val Val Leu Pro Met Pro Ile Leu Val Leu  
                     35                      40                      45  
 Pro Pro Ile Val Met Ser Met Leu Glu Lys Thr Ala Leu Leu Gln Xaa  
                     50                      55                      60  
 Arg Pro Arg Leu Leu Leu Pro Val Gln Ser Leu Val Cys Leu Ala  
 65                      70                      75

<210> 6861  
 <211> 342  
 <212> PRT  
 <213> Homo sapiens

<400> 6861  
 Met Leu Thr Lys Arg Ala Leu Gln Lys Pro Cys Ser Asp Arg Phe Leu  
 1                      5                      10                      15  
 Arg Thr Ala Gln Ile Asn Arg Ser Arg Arg Pro Val Thr Ser Val Thr  
                     20                      25                      30  
 Ser Gly Ser Ser Ser Arg Ser Arg Ser Phe Arg Gly Ser Arg Arg Asp  
                     35                      40                      45  
 Leu Gly Ala Glu Lys Ala Pro Xaa Pro Ser Arg Leu Pro Gly Pro Arg  
                     50                      55                      60  
 Leu Leu Gln Arg Arg Ala Ser Arg Pro Pro Ser Pro Leu Pro Ser Ser  
 65                      70                      75                      80  
 Pro Ser Phe Leu Thr Phe Pro Leu Ser Leu Asn Arg Leu Leu Leu Pro  
                     85                      90                      95  
 Pro Gly Gly Leu Thr Ala Thr Cys Ser Ser Ala Leu His Leu Ile Ala  
                     100                      105                      110  
 Pro Gly

<210> 6862  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 6862

Met	Met	Glu	Thr	His	Leu	Leu	Ile	Pro	Asp	Arg	Gly	Val	Ala	Gly	Gln
1				5					10					15	
Val	Val	Asp	Gln	Ala	Gly	Gln	Ala	Xaa	Gln	Val	Val	Asp	Leu	Ala	Ala
			20					25					30		
Gly	Gln	Val	Asp	Arg	Val	Asp	Lys	Glu	Val	Ala	Gln	Glu	Val	Asp	Lys
			35				40					45			
Met	Val	Glu	Asp	Glu	Val	Gly	Ile	Glu	Ile	Asp	Gln	Glu	Val	Gly	
	50					55					60				

<210> 6863

<211> 294

<212> PRT

<213> Homo sapiens

<400> 6863

Met	Ala	Asp	Ala	Ala	Xaa	Thr	Ala	Gly	Ala	Gly	Gly	Ser	Xaa	Thr	Arg
1				5					10					15	
Ser	Gly	Ser	Lys	Gln	Ser	Thr	Asn	Pro	Ala	Asp	Asn	Tyr	His	Leu	Ala
			20					25					30		
Arg	Arg	Arg	Thr	Leu	Gln	Val	Val	Val	Ser	Ser	Leu	Leu	Thr	Glu	Ala
			35				40					45			
Gly	Phe	Glu	Ser	Ala	Glu	Lys	Ala	Ser	Val	Glu	Thr	Leu	Thr	Glu	Met
	50					55				60					
Leu	Gln	Ser	Tyr	Ile	Ser	Glu	Ile	Gly	Arg	Ser	Ala	Lys	Ser	Tyr	Cys
65				70					75					80	
Glu	His	Thr	Glu	Phe	Gly	Val	Asn	Leu	Phe	Pro	Pro	Pro	Ser	Leu	Leu
				85					90					95	
Pro	Thr														

<210> 6864

<211> 180

<212> PRT

<213> Homo sapiens

<400> 6864

Met	Val	Asn	Tyr	Cys	Ser	Leu	Arg	Ser	Leu	Ile	Ile	Thr	Tyr	Asp	Leu
1				5					10					15	
Gln	Ile	Cys	Leu	Glu	Met	Trp	Thr	Phe	Cys	Ile	Cys	Phe	Cys	Ile	Trp
			20					25					30		
Arg	Asp	Val	Cys	Ile	Tyr	Pro	Gly	Arg	Ile	His	Thr	His	Phe	His	Ile
			35				40					45			
Ser	Leu	Gln	Ile	Tyr	Phe	Pro	Phe	Asn	Arg	Asp	Arg				
	50					55					60				

<210> 6865

<211> 234

<212> PRT

<213> Homo sapiens

<400> 6865

Met	Ala	Arg	Lys	Asn	Cys	Leu	Val	Lys	Asn	Leu	Glu	Ala	Val	Glu	Thr
1					5					10				15	

Leu Gly Ser Thr Ser Thr Ile Cys Ser Asp Lys Thr Gly Thr Leu Thr  
                   20                  25                  30  
 Gln Asn Arg Met Thr Val Ala His Met Trp Phe Asp Asn Gln Ile His  
                   35                  40                  45  
 Glu Ala Asp Thr Thr Glu Asp Gln Ser Gly Ala Thr Phe Asp Lys Arg  
                   50                  55                  60  
 Ser Pro Thr Trp Thr Ala Leu Ser Arg Ile Ala Gly Leu Cys  
 65                  70                  75

<210> 6866  
 <211> 315  
 <212> PRT  
 <213> Homo sapiens

<400> 6866  
 Met Gln Val Glu Gly Ser His Asn Ser Leu Phe Thr Ser Ser Val Tyr  
 1                  5                  10                  15  
 Ile Glu Leu Cys Glu Val Gly Ser Ser Pro Ala Trp Arg Thr Pro Met  
                   20                  25                  30  
 Phe Lys Val Thr Ser Tyr Phe Val Ile Ile Gln Ala Lys Val Thr Glu  
                   35                  40                  45  
 Glu Leu Ala Ala Ala Thr Ala Gln Val Ser His Leu Gln Leu Lys Met  
                   50                  55                  60  
 Thr Ala His Gln Lys Lys Glu Thr Glu Leu Gln Met Gln Leu Thr Glu  
 65                  70                  75                  80  
 Ser Leu Lys Glu Thr Asp Leu Leu Arg Gly Gln Leu Thr Lys Cys Arg  
                   85                  90                  95  
 Gln Ser Ser Gln Ser Ser Lys Lys Pro  
                   100                  105

<210> 6867  
 <211> 420  
 <212> PRT  
 <213> Homo sapiens

<400> 6867  
 Met Thr Val Glu Gln Leu Leu Thr Gly Ser Pro Thr Ser Pro Thr Val  
 1                  5                  10                  15  
 Glu Pro Glu Lys Pro Thr Arg Glu Lys Lys Phe Leu Asp Asp Ile Lys  
                   20                  25                  30  
 Lys Leu Gln Glu Asn Leu Lys Lys Thr Leu Asp Asn Val Ala Ile Val  
                   35                  40                  45  
 Glu Glu Glu Lys Met Glu Ala Val Pro Asp Val Glu Arg Lys Glu Asp  
                   50                  55                  60  
 Lys Pro Glu Gly Gln Ser Pro Val Lys Xaa Glu Trp Pro Ser Glu Thr  
 65                  70                  75                  80  
 Pro Val Leu Cys Gln Gln Cys Gly Gly Lys Pro Gly Val Thr Phe Thr  
                   85                  90                  95  
 Ser Ala Lys Gly Glu Val Phe Ser Val Leu Glu Phe Ala Pro Ser Asn  
                   100                  105                  110  
 His Ser Phe Lys Lys Ile Glu Phe Gln Pro Pro Glu Ala Lys Lys Phe  
                   115                  120                  125  
 Phe Ser Thr Val Arg Xaa Glu Met Ala Leu Leu Ala  
 130                  135                  140

<210> 6868

<211> 324

<212> PRT

<213> Homo sapiens

<400> 6868

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Met Ala Xaa Asp Ser Glu Ser Ala Ala Ser Gln Gln Ser Leu Glu Leu
1          5          10          15
Asp Asp Gln Asp Thr Cys Gly Ile Asp Gly Asp Asn Glu Glu Glu Thr
          20          25          30
Glu His Ala Lys Gly Ser Pro Gly Gly Tyr Leu Gly Ala Lys Lys Lys
          35          40          45
Lys Lys Lys Gln Lys Arg Xaa Lys Glu Lys Pro Asn Ser Gly Gly Thr
          50          55          60
Lys Ser Asp Ser Ala Ser Asp Ser Gln Glu Ile Lys Ile Gln Gln Pro
65          70          75          80
Ser Lys Asn Pro Ser Val Pro Met Gln Lys Leu Gln Asp Ile Gln Arg
          85          90          95
Ala Met Glu Leu Leu Ser Ala Cys Gln Gly Pro Ala
          100          105

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<210> 6869

<211> 168

<212> PRT

<213> Homo sapiens

<400> 6869

```

Met Ser Ala Phe Ser Glu Ala Ala Leu Glu Lys Lys Leu Ser Glu Leu
1          5          10          15
Ser Asn Ser Gln Gln Ser Val Gln Thr Leu Xaa Leu Trp Leu Ile His
          20          25          30
His Arg Lys His Ser Arg Pro Ile Val Thr Val Trp Glu Arg Asp Cys
          35          40          45
Gly Lys Pro Asn Gln Thr Gly Ser
          50          55

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<210> 6870

<211> 165

<212> PRT

<213> Homo sapiens

<400> 6870

```

Met Phe Val Leu Phe Phe Lys Lys Ser Asn Tyr Lys Gln Val Phe Lys
1          5          10          15
Gly Gly Leu Thr Ile His Leu Met Arg Ile Leu Leu Phe Glu Ile Asn
          20          25          30
His Leu Tyr Thr Glu Lys Asn Glu Leu Phe Ser Met Arg Asn Ser Glu
          35          40          45
Gln Thr Ile Glu His Thr Pro
          50          55

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<210> 6871

<211> 270

<212> PRT  
<213> Homo sapiens

<400> 6871

```

Met Glu Asn Glu Asp Glu Met Ser Glu Glu Glu Asp Gly Gly Leu Glu
1          5          10          15
Ala Phe Asp Asp Phe Phe Pro Val Glu Pro Val Ser Leu Pro Lys Lys
          20          25          30
Lys Xaa Pro Lys Lys Leu Lys Glu Asn Lys Cys Lys Gly Lys Arg Lys
          35          40          45
Lys Xaa Xaa Gly Ser Asn Asp Glu Leu Ser Glu Asn Glu Glu Asp Leu
          50          55          60
Glu Glu Lys Ser Xaa Ser Glu Gly Ser Xaa Tyr Ser Pro Asn Lys Lys
65          70          75          80
Lys Lys Lys Lys Leu Lys Asp Lys Lys Glu
          85          90

```

<210> 6872  
<211> 216  
<212> PRT  
<213> Homo sapiens

<400> 6872

```

Met Thr Trp Ser His Asn Asp Met Trp Met Leu Thr Ala Asp His Gly
1          5          10          15
Gly Tyr Val Lys Tyr Trp Gln Ser Asn Met Asn Asn Val Lys Met Phe
          20          25          30
Gln Ala His Lys Glu Ala Ile Arg Glu Ala Arg Phe Ile His Asn Ile
          35          40          45
Pro Phe Ser Xaa Val Pro Ile Val Met Xaa Lys Leu Phe Ser Lys Cys
          50          55          60
Ile Leu Gly Ala Glu Met His Gly
65          70

```

<210> 6873  
<211> 192  
<212> PRT  
<213> Homo sapiens

<400> 6873

```

Met Gly Arg Lys Leu Glu Lys Pro Asn Pro Glu Lys Asn Ala Trp Glu
1          5          10          15
His Asn Ser Leu Thr Ile Pro Ser Pro Ala Cys Ala Ser Glu Ala Ser
          20          25          30
Leu Glu Val Thr Asp Leu Leu Leu Xaa Ala Leu Glu Asn Pro Val Lys
          35          40          45
Tyr Ala Glu Asp Asn Met Glu Gln Lys Asp Thr Asp Arg Ile Ile Cys
          50          55          60

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<210> 6874  
<211> 153  
<212> PRT  
<213> Homo sapiens

004220" 6667560

<400> 6874

Met Asp Gly Gly Thr Lys Trp Gln Arg Lys Arg Glu Glu Glu Arg Cys  
1 5 10 15  
Leu Asp Ala Lys Arg Ser Leu Ala Gly Ala Ser Gln Arg Arg Val Gln  
20 25 30  
Arg Leu Gly Ser Pro Thr Pro Gly Glu Asp His Leu Pro Xaa Pro Ser  
35 40 45  
Pro Phe Thr  
50

<210> 6875

<211> 324

<212> PRT

<213> Homo sapiens

<400> 6875

Met Leu Gln Leu Leu Gly Cys Gln Glu Gly Asn Arg Leu Arg Lys Val  
1 5 10 15  
Leu Xaa Glu Lys Arg Xaa Arg Asp Thr Glu Pro Gly Pro Asp Glu Phe  
20 25 30  
Ala Leu Asn Leu Lys Ser Val Gly Pro Trp Thr Phe Leu Leu Trp Lys  
35 40 45  
Pro Arg Arg Thr Ser Pro Pro Ser Glu Ala Ser Val Asp Arg Val  
50 55 60  
Ser Gly Thr Cys Ser Val Cys Thr Val Ser Ser Pro Ser Phe Ser Ile  
65 70 75 80  
Ala Leu Ser Xaa Pro Gly Pro Ala Thr Leu Asn Tyr Arg Asp Thr  
85 90 95  
Cys Cys Ser Cys Xaa Gln Ala Cys Thr Ser Ser Cys  
100 105

<210> 6876

<211> 216

<212> PRT

<213> Homo sapiens

<400> 6876

Met Leu Ser Cys Pro Trp Phe Pro Leu Ser Cys Ser Pro Ser Leu Pro  
1 5 10 15  
Leu Ser Ile Pro Asp Cys Leu Pro Ala Phe Leu Trp Pro Leu Gly Ile  
20 25 30  
Pro Trp Pro Asp Gly Glu Gly Leu Arg Pro Ser Arg Leu Leu Arg Thr  
35 40 45  
Arg Glu Asn Ile Thr Pro Leu Ser Leu Phe Ala Met Leu Ser Gly Arg  
50 55 60  
Glu Gly Ala Pro Leu Leu Val Pro  
65 70

<210> 6877

<211> 156

<212> PRT

<213> Homo sapiens

<400> 6877

Met Asn Ala Ala Val Arg Ala Val Thr Arg Met Gly Xaa Tyr Val Gly  
 1 5 10 15  
 Ala Lys Val Phe Leu Ile Tyr Glu Gly Tyr Glu Gly Leu Val Glu Gly  
 20 25 30  
 Gly Glu Asn Ile Lys Gln Ala Asn Trp Leu Ser Val Ser Asn Ile Ile  
 35 40 45  
 Gln Leu Gly Val  
 50

<210> 6878  
 <211> 231  
 <212> PRT  
 <213> Homo sapiens

<400> 6878  
 Met Leu Ser Arg Ser Arg Cys Val Ser Arg Ala Phe Ser Arg Ser Leu  
 1 5 10 15  
 Ser Ala Phe Gln Lys Gly Asn Cys Pro Leu Gly Arg Arg Ser Leu Pro  
 20 25 30  
 Gly Val Ser Leu Cys Gln Gly Pro Gly Tyr Pro Asn Ser Arg Lys Val  
 35 40 45  
 Val Ile Asn Asn Ser Val Phe Ser Val Arg Phe Phe Arg Thr Thr Ala  
 50 55 60  
 Val Cys Lys Asp Asp Leu Val Thr Val Lys Thr Pro Ala  
 65 70 75

<210> 6879  
 <211> 333  
 <212> PRT  
 <213> Homo sapiens

<400> 6879  
 Met Asp Val Leu Leu Thr Tyr Leu Pro Lys Asn Tyr Ala Lys Ser Glu  
 1 5 10 15  
 Leu Xaa Ala Val Ile Phe Trp Arg Gln Asn Gln Thr Leu Asp Pro Asn  
 20 25 30  
 Asn Met Thr Ile Leu Asn Arg Thr Phe Gln Asp Glu Pro Leu Ile Met  
 35 40 45  
 Asp Phe Asn Gly Asp Leu Ile Pro Asp Ile Phe Gly Ile Thr Asn Glu  
 50 55 60  
 Ser Asn Gln Pro Gln Ile Leu Leu Gly Gly Asn Leu Ser Trp His Pro  
 65 70 75 80  
 Ala Leu Thr Thr Thr Ser Lys Met Arg Ile Pro His Ser His Ala Phe  
 85 90 95  
 Ile Asp Leu Thr Glu Asp Phe Thr Ala Asp Leu Phe Leu Thr Lys  
 100 105 110

<210> 6880  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 6880  
 Met Ile Asn Phe Thr Pro Ser Leu Leu Pro Phe Phe Met Ser Tyr Arg



1 5 10 15  
 Glu Asn Pro Leu Gly Ser Pro Leu Cys Met Ser Val Lys Phe Tyr Leu  
 20 25 30  
 Leu Ser Gln His Ser His Thr Phe Val Xaa Xaa Leu Val Xaa Gly Ser  
 35 40 45  
 His Thr Pro Xaa Asp Thr Glu Thr His  
 50 55

<210> 6881  
 <211> 255  
 <212> PRT  
 <213> Homo sapiens

<400> 6881  
 Met Ile Phe Thr His Met Pro His Ser Ala Pro Ile Ser Ala His Arg  
 1 5 10 15  
 Phe Ser Arg Lys Val Arg Gly Leu Pro Thr Leu Ile Pro Phe Val Thr  
 20 25 30  
 Thr Gly Ala Gln Ser Leu Arg Asn Ser Pro Val Val Val Met Thr Ala  
 35 40 45  
 Gly Ser Glu Gly Gly Glu Gly Ser Gln Pro Arg Val Ser Gly Arg Lys  
 50 55 60  
 Ala Gln Gln Gly Ser Leu Arg Leu Arg Ala Ser Trp Arg Val Glu Lys  
 65 70 75 80  
 Lys Ala Ala Glu Asp  
 85

<210> 6882  
 <211> 276  
 <212> PRT  
 <213> Homo sapiens

<400> 6882  
 Met Asp Ser Lys Lys Arg Ser Ser Thr Glu Ala Glu Gly Ser Lys Glu  
 1 5 10 15  
 Arg Gly Leu Val His Ile Trp Gln Ala Gly Ser Phe Pro Ile Thr Pro  
 20 25 30  
 Glu Arg Leu Pro Gly Trp Gly Gly Lys Thr Val Leu Gln Ala Ala Leu  
 35 40 45  
 Gly Val Lys His Gly Val Leu Leu Thr Glu Asp Gly Glu Val Tyr Ser  
 50 55 60  
 Phe Gly Thr Leu Pro Trp Arg Ser Gly Pro Val Glu Ile Cys Pro Ser  
 65 70 75 80  
 Ser Pro Ile Leu Glu Asn Ala Leu Val Gly Gln Tyr  
 85 90

<210> 6883  
 <211> 285  
 <212> PRT  
 <213> Homo sapiens

<400> 6883  
 Met Pro Pro Ser Pro Leu Asp Asp Arg Val Val Val Ala Leu Ser Arg  
 1 5 10 15

Pro Val Arg Pro Gln Asp Leu Asn Leu Cys Leu Asp Ser Ser Tyr Leu  
 20 25 30  
 Gly Ser Ala Asn Pro Gly Ser Asn Ser His Pro Pro Val Ile Ala Thr  
 35 40 45  
 Thr Val Val Ser Leu Lys Ala Ala Asn Leu Thr Tyr Met Pro Ser Ser  
 50 55 60  
 Ser Gly Ser Ala Arg Ser Leu Asn Cys Gly Cys Ser Ser Ala Ser Cys  
 65 70 75 80  
 Cys Thr Val Ala Thr Tyr Asp Lys Asp Asn Gln Ala Gln Thr Gln  
 85 90 95

<210> 6884  
 <211> 312  
 <212> PRT  
 <213> Homo sapiens

<400> 6884  
 Met Ala Ala Gly Gly Gly Gly Ser Ser Lys Ala Ser Ser Ser Ser  
 1 5 10 15  
 Ala Ser Ser Ala Gly Ala Leu Glu Ser Ser Leu Asp Arg Lys Phe Gln  
 20 25 30  
 Ser Val Thr Asn Thr Met Glu Ser Ile Gln Gly Leu Ser Ser Trp Cys  
 35 40 45  
 Ile Glu Asn Lys Lys His His Ser Thr Ile Val Tyr His Trp Met Lys  
 50 55 60  
 Trp Leu Arg Arg Ser Ala Tyr Pro His Arg Leu Asn Leu Phe Tyr Leu  
 65 70 75 80  
 Ala Asn Asp Val Ile Gln Asn Cys Lys Arg Lys Asn Ala Ile Ile Phe  
 85 90 95  
 Arg Glu Ser Phe Ala Asp Val Leu  
 100

<210> 6885  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 6885  
 Met Gly Tyr Asn Leu Ser Pro Gln Phe Thr Gln Leu Leu Val Ser Arg  
 1 5 10 15  
 Tyr Cys Pro Arg Ser Ala Asn Pro Ala Met Gln Leu Asp Arg Phe Ile  
 20 25 30  
 Gln Val Cys Thr Gln Leu Gln Val Leu Thr Glu Ala Phe Arg Glu Lys  
 35 40 45  
 Asp Thr Ala Val Gln Gly Asn Gly  
 50 55

<210> 6886  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 6886  
 Met Leu Phe Ser Lys His Ser Phe Phe Thr Leu Xaa Cys Gly Leu Asp

1 5 10 15  
 Pro Ser Arg Asn Leu Leu Ile Gly Lys Arg Leu Gln Thr Pro Ala Val  
 20 25 30  
 Cys Val Leu Gln Val His Ala Ala Lys Val Xaa Pro Ala His Pro Cys  
 35 40 45  
 Pro Val Ser Val Ser Phe Arg Val Ile Pro Tyr Leu Ser Ile Gly Xaa  
 50 55 60  
 Leu Ile Leu Leu Asp Phe Leu Lys Thr Leu Arg Trp Ser Ile Arg  
 65 70 75

<210> 6887  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 6887  
 Met Val Ile Ser Ser Phe Gly Gly Leu Ile Leu Ser Lys Thr Val Ser  
 1 5 10 15  
 Lys Xaa Xaa Tyr Lys Gly Met Ala Ile Phe Thr Pro Val Ile Cys Gly  
 20 25 30  
 Val Gly Gly Asn Leu Val Ala Ile Gln Thr Ser Arg Ile Ser Thr Tyr  
 35 40 45  
 Leu His Met Trp Ser Ala Pro Gly Val Leu Pro Leu Gln Met Lys Lys  
 50 55 60  
 Phe Trp Pro Asn Pro Cys  
 65 70

<210> 6888  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 6888  
 Met Arg Asn Gln His Glu Lys Met Ile Lys Ile His Ile Leu Xaa His  
 1 5 10 15  
 Glu Lys Ala Leu Asn Gly Leu Asp Asp Ala Leu Pro Tyr Cys Gly Gly  
 20 25 30  
 Gln Tyr Ala Leu Leu Ser Leu Gln Ile Gln Met Leu Ile Ser Ser Gly  
 35 40 45  
 Asn Lys Leu Thr Asp Thr Pro  
 50 55

<210> 6889  
 <211> 324  
 <212> PRT  
 <213> Homo sapiens

<400> 6889  
 Met Arg Gln Gly Pro Ser Val Ser Val Thr Thr Gly Ser Leu Thr Asn  
 1 5 10 15  
 Gly Cys Arg Val Ala Ala Gly Glu Gly Glu Glu Asp Cys Gly Xaa Gly  
 20 25 30  
 Gly Glu Pro Leu Xaa Phe Phe Leu Val Gly Xaa Gly Arg Arg Gly Thr  
 35 40 45

Gly Arg Gln Pro Arg Arg Pro Ser Ala Cys Arg Ser Gly Ala Pro Ser  
 50 55 60  
 Leu Lys Gly Cys Pro Xaa Asp Leu Ala Pro Leu Ser Arg Glu Lys Ser  
 65 70 75 80  
 Leu Gly Glu Arg Xaa Asp Ala Ala Thr Met Val Thr Gln Cys Pro Ala  
 85 90 95  
 Arg Arg Thr Gln Met Leu Pro Ser Ile Lys Ser Ser  
 100 105

<210> 6890  
 <211> 267  
 <212> PRT  
 <213> Homo sapiens

<400> 6890  
 Met Lys Glu Ile Cys Lys Thr Cys Pro Gly Thr Tyr Arg Ile Tyr Phe  
 1 5 10 15  
 Ala Glu Ala Leu Ser Tyr Ser Ile Tyr Ile Cys Val Thr Arg Asp Leu  
 20 25 30  
 Leu Thr Lys His Ile Arg Lys Tyr Leu Leu Gly Ser Ile Ser Gly Leu  
 35 40 45  
 Arg Pro Ile Thr Val Glu Gln Leu Ser Phe Leu Pro Thr Cys Lys Pro  
 50 55 60  
 Trp Arg Cys Cys Leu Arg Leu Leu Gln Pro Phe Leu Leu Pro Trp Tyr  
 65 70 75 80  
 Phe Ser Asn Phe Val Lys Thr Cys Thr  
 85

<210> 6891  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens

<400> 6891  
 Met Lys Asn His Glu Lys Ser Lys Lys His Arg Glu Met Val Ala Leu  
 1 5 10 15  
 Leu Lys Gln Gln Leu Glu Glu Glu Glu Asn Phe Ser Arg Pro Gln  
 20 25 30  
 Ile Asp Glu Asn Pro Leu Asp Asp Asn Ser Glu Glu Glu Met Glu Asp  
 35 40 45  
 Ala Pro Lys Gln Lys Val Lys Tyr Leu Thr Phe Arg Phe Ile Phe Ala  
 50 55 60  
 Leu Arg Leu Ser Lys Lys Gln Lys Lys Lys Lys Gln Lys Pro Ala Gln  
 65 70 75 80

<210> 6892  
 <211> 276  
 <212> PRT  
 <213> Homo sapiens

<400> 6892  
 Met Lys Asn Asn His Ser Lys Ser Gly Thr Ser Thr Leu Arg Leu Leu  
 1 5 10 15  
 Thr Thr Ile Leu His Ser Asp Gly Asp Leu Thr Glu Gln Gly Lys Ile

20 25 30  
 Ser Lys Pro Asp Met Ser Arg Leu Arg Leu Ala Ala Gly Ser Ala Ile  
 35 40 45  
 Val Lys Leu Ala Gln Glu Pro Cys Tyr His Glu Ile Ile Thr Leu Glu  
 50 55 60  
 Gln Tyr Gln Leu Cys Ala Leu Ala Ile Asn Asp Glu Cys Tyr Gln Val  
 65 70 75 80  
 Arg Gln Val Phe Ala Gln Lys Leu His Lys Gly Gln  
 85 90

<210> 6893  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 6893  
 Met Pro Gly Ala Pro Cys Ser Gln Ala Gly Gln Glu Gly Arg Cys Pro  
 1 5 10 15  
 Ala Gln Gly Leu Trp Tyr Val Phe Thr Gly Ala Thr Ser Gly Arg Gly  
 20 25 30  
 Arg Asp Arg Leu Ala Asn Ser Lys Glu Ala Arg Ser Glu Xaa Val Cys  
 35 40 45  
 Phe Ser Phe Pro Ser Lys Ser Thr Gly Lys Leu Glu Gly Ser Pro  
 50 55 60

<210> 6894  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6894  
 Met Asp Lys Asn Phe Val Arg Ile Gly Lys Trp Phe Val Arg Pro Tyr  
 1 5 10 15  
 Glu Lys Asp Glu Lys Pro Val Asn Lys Ser Glu His Leu Ser Cys Ala  
 20 25 30  
 Phe Thr Phe Phe Leu His Gly Glu Ser Asn Val Cys Thr Ser Val Glu  
 35 40 45  
 Ile Ala Pro Ala Pro Val  
 50

<210> 6895  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6895  
 Met Thr Met Asp Gly Asp Ser Ser Thr Thr Asp Ala Ser Gln Leu Gly  
 1 5 10 15  
 Ile Ser Ala Asp Xaa Xaa Gly Gly Ser His Tyr Val Ile Gln Pro His  
 20 25 30  
 Asp Asp Thr Glu Asp Ser Met Asn Asp His Glu Asp Thr Xaa Gly Ser  
 35 40 45  
 Lys Xaa Ser Phe Arg Glu  
 50

<210> 6896  
 <211> 264  
 <212> PRT  
 <213> Homo sapiens

<400> 6896  
 Met Lys Ile Thr Arg Gln Lys His Ala Lys Lys His Leu Gly Phe Phe  
 1 5 10 15  
 Arg Asn Asn Phe Gly Val Arg Glu Pro Tyr Gln Ile Leu Leu Asp Gly  
 20 25 30  
 Thr Phe Cys Gln Ala Ala Leu Arg Gly Arg Ile Gln Leu Arg Glu Xaa  
 35 40 45  
 Cys Xaa Arg Tyr Leu Met Gly Glu Thr Gln Leu Cys Thr Thr Arg Lys  
 50 55 60  
 Leu Asp Ile Gly Phe Arg Cys Asn Ala Ile Lys Val Pro Asn Gln Glu  
 65 70 75 80  
 Cys Ala Ala Leu Glu Lys Glu Ile  
 85

<210> 6897  
 <211> 345  
 <212> PRT  
 <213> Homo sapiens

<400> 6897  
 Met Tyr Ser Thr Val Ser Gly Ser Glu Lys Asn Ser Lys Ile Tyr Cys  
 1 5 10 15  
 Pro Thr Ile Asp Leu Tyr Asn Trp Thr Ala Pro Leu Glu Trp Phe Lys  
 20 25 30  
 Asn Cys Gln Ala Leu Gln Gly Ser Arg Tyr Arg Ala His Lys Ser Phe  
 35 40 45  
 Leu Val Ile Asp Asn Val Met Thr Glu Asp Ala Gly Asp Tyr Thr Cys  
 50 55 60  
 Lys Phe Ile His Asn Glu Asn Gly Ala Asn Tyr Ser Val Thr Ala Thr  
 65 70 75 80  
 Arg Ser Phe Thr Val Lys Asp Glu Gln Gly Phe Ser Leu Phe Pro Val  
 85 90 95  
 Ile Gly Ala Pro Ala Gln Asn Glu Ile Lys Glu Val Glu Ile Gly Lys  
 100 105 110  
 Asn Ala Asn  
 115

<210> 6898  
 <211> 294  
 <212> PRT  
 <213> Homo sapiens

<400> 6898  
 Met Met Pro Gln Ser Leu Gly Val Ile Gly Gly Lys Pro Asn Ser Ala  
 1 5 10 15  
 His Tyr Phe Ile Gly Tyr Val Gly Glu Leu Ile Tyr Leu Asp Pro  
 20 25 30  
 His Thr Thr Gln Pro Ala Val Glu Pro Thr Asp Gly Cys Phe Ile Pro

35 40 45  
 Asp Glu Ser Phe His Cys Gln His Pro Pro Cys Arg Met Ser Ile Ala  
 50 55 60  
 Xaa Leu Thr Arg Pro Ser Leu Trp Gly Phe Ser Val Arg Leu Lys Met  
 65 70 75 80  
 Thr Ser Met Ile Gly Ala Ser Lys Xaa Lys Ser Cys Xaa Cys Leu Glu  
 85 90 95  
 Val Pro

<210> 6899  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 6899  
 Met Ala Ala Thr Ala Ser Pro Gln Pro Leu Ala Thr Glu Asp Ala Asp  
 1 5 10 15  
 Ser Glu Asn Ser Ser Phe Tyr Tyr Tyr Asp Tyr Leu Asp Glu Val Ala  
 20 25 30  
 Phe Met Leu Cys Arg Lys Asp Ala Val Val Ser Phe Gly Lys Val Phe  
 35 40 45  
 Leu Pro Val Phe Tyr Ser Leu Ile Phe Val Leu Gly Leu Ser Gly  
 50 55 60

<210> 6900  
 <211> 204  
 <212> PRT  
 <213> Homo sapiens

<400> 6900  
 Met Lys Gly Arg Glu Arg Ser His Val Ser Val Pro Gln Thr Glu Ser  
 1 5 10 15  
 Arg Gly Ser Arg Arg Leu Leu Gly Ala Arg Asn Gln Gly Ser Ser Leu  
 20 25 30  
 Gly Leu Ser Met Asn Trp Ser Arg Asn Ala Ser Pro Phe Gly Met Cys  
 35 40 45  
 Val Asp Lys Asn Val Ser Arg Lys Phe Ala Asp Pro Cys Ser Arg Leu  
 50 55 60  
 Glu Lys Ser Asn  
 65

<210> 6901  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 6901  
 Met Lys Thr Glu Gly Asn Gly Val Asp Thr Lys Ala Ile Lys Ser Phe  
 1 5 10 15  
 Pro Ala His Leu Ala Ala Asp Ser Asp Ser Pro Ser Thr Gln Leu Arg  
 20 25 30  
 Ala His Glu Leu Lys Phe Phe Pro Asn Asp Asp Pro Glu Ala Val Ser  
 35 40 45  
 Ser Pro Arg Thr Ser Asp Ser Leu Ser Arg Ser Lys Asn Ser Pro

60

<400> 6902

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<210> 6903
<211> 240
<212> PRT
<213> Homo sapiens
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<400> 6903

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<210> 6904
<211> 153
<212> PRT
<213> Homo sapiens
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<400> 6904

<210> 6905



<211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 6905  
 Met Glu Leu Pro Xaa Thr Asn Gly Ala Gly Val Lys Ser Gln Arg Pro  
 1 5 10 15  
 Phe Ser Pro Arg Glu Ala Leu Arg Ser Arg Ala Ile Ile Lys Pro Val  
 20 25 30  
 Ile Val Asp Lys Asp Val Lys Lys Ile Met Gly Gly Ser Gly Thr Glu  
 35 40 45  
 Xaa Thr Leu Glu Lys Gln Lys Pro Val Ser Lys Pro Gly Pro Xaa  
 50 55 60

<210> 6906  
 <211> 294  
 <212> PRT  
 <213> Homo sapiens

<400> 6906  
 Met Leu Leu Met Cys Asn Ala Ser Pro Asn Pro Val Val Thr Glu Ile  
 1 5 10 15  
 Phe Ala Val Leu Thr Gln Gly Leu Met Asp Ile Gly Leu Cys Arg Met  
 20 25 30  
 Cys Phe Val Lys Asn Val Phe Ala Arg Ser Met Leu Gly Lys Ser His  
 35 40 45  
 His Pro Ser Leu Val Ser Ser Thr Gln Gly Xaa Asn Ala Leu Ser Lys  
 50 55 60  
 Ala Thr Gly Thr Ser Ala Gln Glu Arg Leu Gly Ile Val Gln Gly Phe  
 65 70 75 80  
 Ser Pro Leu Arg Gln Pro Glu Thr Trp Pro Arg Gly Lys Gly Lys Thr  
 85 90 95  
 Leu Pro

<210> 6907  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 6907  
 Met Ile Ile Xaa Ile Lys Lys Thr Ala Leu Pro Ser Arg Gln Leu Tyr  
 1 5 10 15  
 Met Ala Trp Asn Phe Lys Asn Phe Asn Ile Asn Phe His Pro Val Ser  
 20 25 30  
 Phe Ile Thr Phe Thr Phe Gln Asn Phe Val Tyr Phe Pro Val Asn Xaa  
 35 40 45  
 Xaa His Phe Xaa Arg Tyr Gln Trp Asp Arg Xaa Gly Phe Leu  
 50 55 60

<210> 6908  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 6908

Met Leu Ser Val Leu His Pro Leu Ser Cys Thr His Phe Pro Thr Phe  
1 5 10 15  
Pro Ser Glu Met Asn Pro Val Pro Gln Leu Glu Met Gln Lys Ser His  
20 25 30  
Ile Phe Cys Ile Ala His Ala Trp Ser Cys Arg Leu Glu Leu Phe Leu  
35 40 45  
Phe Gly His Leu Gly Ser Thr Pro Arg  
50 55

<210> 6909

<211> 174

<212> PRT

<213> Homo sapiens

<400> 6909

Met Ile Ser Ala His Cys Asn Phe Cys Leu Pro Gly Ser Gly Glu Ser  
1 5 10 15  
Pro Ala Thr Ala Thr Gln Val Ala Gly Thr Thr Gly Ala Cys His His  
20 25 30  
Ala Gln Leu Ile Phe Val Phe Leu Val Lys Thr Gly Phe His His Val  
35 40 45  
Gly Gln Asp Gly Leu Asn Leu Leu Thr Thr  
50 55

<210> 6910

<211> 174

<212> PRT

<213> Homo sapiens

<400> 6910

Met Xaa Leu Val Leu Ile Gly His Ser Ile Gly Ser Tyr Phe Thr Leu  
1 5 10 15  
Gln Met Leu Lys Arg Val Pro Glu Leu Pro Val Ile Arg Ala Phe Leu  
20 25 30  
Leu Phe Pro Thr Ile Glu Arg Met Ser Glu Ser Pro Xaa Gly Arg Ile  
35 40 45  
Ala Thr Pro Leu Leu Cys Trp Phe Arg Tyr  
50 55

<210> 6911

<211> 165

<212> PRT

<213> Homo sapiens

<400> 6911

Met Pro Thr Asn Arg Xaa Ser Xaa Val Phe Lys Cys Asp Thr Tyr Thr  
1 5 10 15  
Pro Gln Asn Thr Lys Lys Pro Pro Arg Xaa Ile Xaa His Arg Asn Lys  
20 25 30  
Ile Met Pro Ser Ala Ala Thr Xaa Asp Arg Thr Ala Gly His Ser Ala  
35 40 45  
Lys Arg Thr Gln Ala Arg Thr  
50 55

<210> 6912  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 6912  
 Met Arg Pro Leu Gly Lys Gly Leu Leu Pro Ala Glu Glu Leu Ile Arg  
 1 5 10 15  
 Ser Asn Leu Gly Val Gly Arg Ser Leu Arg Asp Cys Leu Ser Gln Ser  
 20 25 30  
 Gly Lys Leu Ala Glu Glu Leu Gly Ser Lys Arg Leu Lys Pro Ala Lys  
 35 40 45  
 Phe Gly Thr Glu Gly Lys Glu Arg Val Glu Gln Arg Thr Glu Arg Pro  
 50 55 60

<210> 6913  
 <211> 204  
 <212> PRT  
 <213> Homo sapiens

<400> 6913  
 Met Pro Pro Pro Gln Arg Asn Ser Phe Phe Phe Ile Ile Tyr Leu Phe  
 1 5 10 15  
 Asn Asn Arg Asp Glu Val Ser Pro Cys Cys Pro Gly Trp Cys Gln Ser  
 20 25 30  
 Pro Gly Leu Lys Gln Ser Ile Cys Pro Gly Ser Pro Lys Cys Trp Asp  
 35 40 45  
 Tyr Cys Arg Lys Pro Pro Tyr Leu Ala Lys Lys Phe Ile His Phe Phe  
 50 55 60  
 Phe Phe Phe Phe  
 65

<210> 6914  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6914  
 Met Thr Arg Ile Tyr Pro Leu His Leu Ser Pro Ile Pro Val Ser Arg  
 1 5 10 15  
 Asn Thr Leu Ala Trp Lys Val Ser Val Pro Leu Thr Asn Leu Tyr Arg  
 20 25 30  
 Trp Val Thr Val Trp Glu Leu Met Ala His Ser Phe Ser Leu Lys Gln  
 35 40 45  
 Met His Ser Gly Lys Leu Gln Gln Gln Thr Tyr Pro  
 50 55 60

<210> 6915  
 <211> 234  
 <212> PRT  
 <213> Homo sapiens

<400> 6915

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Met Ser Asp His Gly Asp Val Ser Leu Pro Pro Glu Asp Arg Val Arg  
 1 5 10 15  
 Ala Leu Ser Gln Leu Gly Ser Ala Val Glu Val Asn Glu Asp Xaa Pro  
 20 25 30  
 Xaa Arg Arg Tyr Phe Arg Ser Gly Val Glu Ile Ile Arg Met Ala Ser  
 35 40 45  
 Ile Tyr Ser Glu Glu Gly Asn Ile Glu His Ala Phe Ile Leu Tyr Asn  
 50 55 60  
 Lys Tyr Ile Thr Leu Phe Ile Glu Lys Leu Pro Lys His Arg  
 65 70 75

<210> 6916  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 6916  
 Met Ala Asp Pro Asp Val Xaa Xaa Glu Val Pro Ala Ala Leu Lys Arg  
 1 5 10 15  
 Leu Ala Lys Tyr Val Ile Arg Gly Phe Tyr Gly Ile Glu His Ala Leu  
 20 25 30  
 Ala Leu Asp Ile Leu Ile Arg Asn Ser Cys Val Lys Glu Glu Asp Met  
 35 40 45  
 Leu Glu Leu Leu Lys Phe Asp Arg Lys Gln Leu Arg Ser Val Leu Asn  
 50 55 60  
 Asn Leu Lys Gly Asp  
 65

<210> 6917  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 6917  
 Met Val Glu Phe Ile Val Thr His Met Met Lys Glu Phe Pro Met Asp  
 1 5 10 15  
 Leu Tyr Ile Arg Cys Ile Gln Val Val His Lys Xaa Xaa Xaa Tyr Gln  
 20 25 30  
 Lys Lys Cys Arg Val Arg Leu His Tyr Thr Trp Arg Glu Leu Trp Ser  
 35 40 45  
 Ala Leu Ile Asn Leu Leu Lys Phe Leu Met Ser Asn Glu Thr Val Leu  
 50 55 60  
 Leu Ala Lys  
 65

<210> 6918  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 6918  
 Met Gln Ser Pro Ala Trp Lys Leu Cys Ser Gly Asn Phe Xaa Xaa Arg  
 1 5 10 15  
 Pro Gly Tyr Ser Cys Arg Ala Arg Thr Ala Ser Glu Val Pro Gly Xaa

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<400>	6919
Met Ala Ser Thr Ser Thr Thr Ile Arg Ser His Ser Ser Ser Arg Arg	
1	5 10 15
Gly Phe Ser Ala Ser Ser Ala Arg Leu Pro Gly Val Ser Arg Ser Gly	
	20 25 30
Phe Ser Ser Val Ser Val Ser Arg Ser Arg Gly Ser Gly Gly Leu Gly	
	35 40 45
Gly Ala Cys Gly Gly Ala Gly Phe Gly Ser Xaa Ser Leu Tyr Gly Leu	
	50 55 60
Gly Gly Ser Lys Arg Ile Ser Ile Gly Gly Gly Ser Cys Ala Ile Ser	
65	70 75 80
Gly Gly Tyr Gly Ser Arg	
	85

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<400> 6920
Met Gly Pro Trp Lys Leu His Phe Lys Lys Pro Ser Gly Gly Phe Arg
1      5      10      15
Ile Phe Phe Gly Leu Gly His Leu Val Arg Ile Ser Gly Gly Asp Asn
      20      25      30
Ile Ser Ala Glu Leu Cys Asn Pro Ser Trp Phe Pro His Cys Leu Trp
      35      40      45
Asn Phe Ser Cys Ser Phe Pro Pro Gln Leu Cys Pro Gly Ser Ala
      50      55      60
Xaa Pro Ser Asn Ala Gln
65      70

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<400> 6921
Met Lys Gly Lys Asn Thr Ile Ile Cys Ala Pro Thr Gly Cys Gly Lys
1                    5                10                15
Thr Phe Val Ser Leu Leu Ile Cys Glu His His Leu Lys Lys Phe Pro
                20                25                30
Gln Gly Gln Lys Gly Lys Val Val Phe Phe Ala Asn Gln Ile Pro Val
            35                40                45

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Tyr Glu Gln Gln Lys Ser Val Phe Ser Lys Tyr Phe Glu Arg His Gly  
 50 55 60  
 Tyr Arg Val Thr Gly Ile Ser Gly Ala Thr Ala Glu Lys  
 65 70 75

<210> 6922  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 6922  
 Met Ser Thr Ala Met Asn Phe Gly Thr Lys Ser Phe Gln Pro Arg Pro  
 1 5 10 15  
 Pro Asp Lys Gly Ser Phe Pro Leu Asp His Leu Gly Xaa Cys Lys Ser  
 20 25 30  
 Phe Lys Xaa Lys Phe Met Lys Cys Leu His Asn Asn Asn Phe Glu Asn  
 35 40 45  
 Ala Leu Cys Arg Lys Glu Ser Lys Glu Tyr Leu Glu Cys Trp Ile Glu  
 50 55 60

<210> 6923  
 <211> 234  
 <212> PRT  
 <213> Homo sapiens

<400> 6923  
 Met Ile Thr Leu Leu Pro Leu Phe Thr Asp Cys Ser Ile Lys Thr Thr  
 1 5 10 15  
 Tyr Tyr Gln His Ser Gly Pro Ser Ser Phe Cys Ser Pro Ala His Cys  
 20 25 30  
 Pro Leu Arg Leu Thr Arg His Ala Gly Pro Leu Cys Leu Phe Thr Phe  
 35 40 45  
 Ser Ser Asn Glu Ala Pro Arg Gly Leu Leu Trp His Pro Pro Val Pro  
 50 55 60  
 Gln Leu Leu Cys Pro Pro Ser Cys Arg Leu Pro Ala Pro Pro  
 65 70 75

<210> 6924  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 6924  
 Met Pro Lys Tyr Ile His Leu Cys Met Val Gln Phe Leu Ile Xaa Met  
 1 5 10 15  
 Tyr Ser Ile Asn Ser Val Phe Ser Leu Phe Lys Gln Thr Val Val Ser  
 20 25 30  
 Ser Glu Xaa Val Ile Cys Asp Leu Arg Trp Phe His Phe Val Lys Leu  
 35 40 45  
 Ser Leu Ser  
 50

<210> 6925  
 <211> 441

<212> PRT  
<213> Homo sapiens

<400> 6925

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Met Ala Ala Thr Leu Gly Ser Gly Glu Arg Trp Thr Glu Ala Tyr Ile
1           5           10           15
Asp Ala Val Arg Arg Asn Lys Tyr Pro Glu Asp Thr Pro Pro Glu Ser
           20           25           30
His Asp Pro Cys Gly Cys Cys Asn Cys Met Lys Ala Gln Lys Glu Lys
           35           40           45
Lys Ser Glu Asn Glu Trp Thr Gln Thr Arg Gln Gly Glu Gly Asn Ser
           50           55           60
Thr Tyr Ser Glu Glu Gln Leu Leu Gly Val Gln Arg Ile Lys Lys Cys
65           70           75           80
Arg Asn Tyr Tyr Glu Ile Leu Gly Val Ser Arg Asp Ala Ser Asp Glu
           85           90           95
Glu Leu Lys Lys Ala Tyr Arg Lys Leu Ala Leu Lys Phe His Pro Asp
           100           105           110
Lys Asn Cys Ala Pro Gly Ala Thr Asp Ala Phe Lys Ala Ile Gly Asn
           115           120           125
Ala Phe Ala Val Leu Ser Asn Pro Asp Lys Arg Leu Arg Tyr Asp Glu
           130           135           140
Tyr Gly Asp
145

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<210> 6926  
<211> 156  
<212> PRT  
<213> Homo sapiens

<400> 6926

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Met Trp Val Thr Lys Arg Pro Val Pro Val Lys Gln Asn Ala Gly Val
1           5           10           15
Met Ile Ile His Val Tyr Gly Leu Pro Gly His Thr Leu Ile Trp Val
           20           25           30
Val Leu Gln Arg Ser Lys Gln Pro Ile Pro Val Phe Ile Lys Leu Ile
           35           40           45
Leu Gln Leu Glu
50

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<210> 6927  
<211> 273  
<212> PRT  
<213> Homo sapiens

<400> 6927

```

Met Val His Ala Ala Ser Asp Pro Ser Ser Ser Ser Gly Arg Leu Ser
1           5           10           15
Glu Pro Asp Pro Ser His Thr Leu Glu Glu Arg Val Val His Trp Tyr
           20           25           30
Phe Lys Leu Leu Asp Lys Asn Ser Ser Gly Asp Ile Gly Lys Lys Glu
           35           40           45
Ile Lys Pro Phe Lys Arg Phe Leu Arg Lys Lys Ser Lys Pro Lys Lys
50           55           60

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Cys Val Lys Lys Phe Val Glu Tyr Cys Asp Val Asn Xaa Asp Lys Ser  
65 70 75 80  
Ile Ser Val Gln Glu Leu Met Gly Cys Leu Gly  
85 90

<210> 6928  
<211> 294  
<212> PRT  
<213> Homo sapiens

<400> 6928  
Met Ser Asp Gly Gly Phe His Glu Ala Gln Ile Asn Asn Met Glu Met  
1 5 10 15  
Ala Pro Gly Gly Val Ile Thr Ser Asp Met Ile Glu Met Ile Phe Ser  
20 25 30  
Lys Ser Pro Glu Gln Gln Leu Ser Ala Thr Gln Lys Phe Arg Lys Leu  
35 40 45  
Leu Ser Lys Glu Pro Asn Pro Pro Ile Asp Glu Val Ile Ser Thr Pro  
50 55 60  
Gly Val Val Ala Arg Phe Val Glu Phe Xaa Lys Arg Lys Glu Asn Cys  
65 70 75 80  
Thr Leu Gln Ala Val Trp Ala Leu Gly Asn Ile Ala Gly Asp Ser Thr  
85 90 95  
Met Cys

<210> 6929  
<211> 165  
<212> PRT  
<213> Homo sapiens

<400> 6929  
Met Leu Leu Met His Tyr Leu Leu Pro Lys Asp Phe Pro Ser Arg Lys  
1 5 10 15  
Val Tyr Phe Asp Arg Leu Val Cys Gly Phe Cys Gly Ile Leu Asn His  
20 25 30  
Phe Ser Val Thr Tyr Ser Pro Ser Leu Pro Thr Gly Pro Thr Ser Lys  
35 40 45  
Lys Asn Leu Lys Leu Ser His  
50 55

<210> 6930  
<211> 186  
<212> PRT  
<213> Homo sapiens

<400> 6930  
Met Val Met Ala Cys Arg Val Val Asn Lys Arg Arg His Met Gly Leu  
1 5 10 15  
Gln Gln Leu Ser Ser Phe Ala Glu Thr Gly Arg Thr Phe Leu Asp Pro  
20 25 30  
Leu Lys Ser Ser Lys Phe Ile Ile Asp Glu Glu Cys His Glu Ser Val  
35 40 45  
Leu Ile Ser Ser Thr Val Arg Leu Leu Glu Ser Leu Asp Leu  
50 55 60



<210> 6931  
 <211> 447  
 <212> PRT  
 <213> Homo sapiens

<400> 6931  
 Met Cys Asn Pro Glu Glu Ala Ala Leu Xaa Gly Leu Glu Glu Val Phe  
 1 5 10 15  
 Ser Ala Thr Leu Ala His Val Asn Ser Leu Val Leu Gln Pro Leu Leu  
 20 25 30  
 Pro Ala Ala Pro Asp Pro Ser Asp Pro Trp Gly Arg Glu Cys Leu Arg  
 35 40 45  
 Leu Leu Gln Gln Leu His Lys Ser Ser Gln Gln Leu Trp Glu Val Thr  
 50 55 60  
 Glu Glu Ser Leu His Ser Leu Gln Glu Arg Leu Arg Tyr Pro Asp Ser  
 65 70 75 80  
 Thr Gly Leu Glu Ser Leu Leu Leu Leu Arg Gly Ala Asp Arg Val Leu  
 85 90 95  
 Gln Ala His Ile Glu Tyr Ile Glu Ser Tyr Thr Ser Cys Met Val Val  
 100 105 110  
 Gln Ala Phe Gln Lys Xaa Ala Lys Arg Arg Ser Glu Phe Trp Arg Gly  
 115 120 125  
 Gln Arg Xaa Ala Leu Arg Gln Leu Leu Ser Gly Val Ser Ser Glu Gly  
 130 135 140  
 Ser Val Gly Ala Ser  
 145

<210> 6932  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6932  
 Met Ile Asp Trp Ile Lys Lys Met Trp His Ile Tyr Thr Met Glu Tyr  
 1 5 10 15  
 Tyr Ala Ala Ile Lys Asn Asp Glu Phe Met Ser Phe Val Gly Thr Trp  
 20 25 30  
 Met Lys Leu Glu Thr Ile Ile Leu Ser Lys Leu Ser Gln Gly Gln Lys  
 35 40 45  
 Thr Lys His Arg  
 50

<210> 6933  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 6933  
 Met His Val Ser Thr Ala Tyr Ala Tyr Cys Asn Arg Lys His Ile Asp  
 1 5 10 15  
 Glu Val Val Tyr Pro Pro Pro Val Asp Pro Lys Lys Leu Ile Asp Ser  
 20 25 30  
 Leu Glu Trp Met Asp Asp Gly Leu Val Asn Asp Ile Thr Pro Lys Leu

35  
Ile Gly Asp Arg Pro  
50

40

45

<210> 6934  
<211> 168  
<212> PRT  
<213> Homo sapiens

<400> 6934  
Met Phe Gln Gly Pro Val Ile Arg Phe Glu Val Tyr Lys Cys Phe Trp  
1 5 10 15  
Tyr Gln Asp Leu Ser Ala Ile Ala Arg Ala Cys Trp Cys Pro Gly Ile  
20 25 30  
Xaa Leu Gln Thr Thr Xaa His Cys Val Xaa Ser Xaa Arg Xaa Tyr Cys  
35 40 45  
Glu Ile His Gly Ile Trp Leu Asp  
50 55

<210> 6935  
<211> 315  
<212> PRT  
<213> Homo sapiens

<400> 6935  
Met Thr Ala Arg Thr Leu Ser Leu Met Ala Ser Leu Val Ala Tyr Asp  
1 5 10 15  
Asp Ser Asp Ser Glu Ala Glu Thr Glu His Ala Gly Ser Phe Asn Ala  
20 25 30  
Thr Gly Gln Gln Lys Asp Thr Ser Gly Val Ala Arg Pro Pro Gly Gln  
35 40 45  
Asp Phe Ala Ser Gly Thr Leu Asp Val Pro Arg Ala Gly Ala Gln Pro  
50 55 60  
Thr Lys His Gly Phe Cys Glu Asp Pro Gly Gly Tyr Arg Leu Pro Leu  
65 70 75 80  
Ala Gln Leu Gly Arg Ser Asp Arg Gly Ser Cys Pro Ser Gln Arg Leu  
85 90 95  
Gln Trp Pro Gly Lys Glu Pro Gln Ser  
100 105

<210> 6936  
<211> 201  
<212> PRT  
<213> Homo sapiens

<400> 6936  
Met Pro Lys Cys Val Lys Phe Gly Trp Phe Leu Pro Tyr Thr Pro Thr  
1 5 10 15  
Asp Asn Glu Tyr Gly Ala Trp Lys Arg His Tyr Ile Ala Cys Val Ser  
20 25 30  
His Leu Asp Trp Leu Thr Pro Arg Glu Ala Ala Ala Thr Tyr Gly Thr  
35 40 45  
Leu Asn Glu Pro Lys Thr Glu Asp Glu Xaa Leu Leu Glu Arg Gln Arg  
50 55 60

Glu Lys Cys  
65

<210> 6937  
<211> 153  
<212> PRT  
<213> Homo sapiens

<400> 6937  
Met Leu Ser Leu Gly Lys Asn His Pro Gly Leu Met Pro Glu Pro Asn  
1 5 10 15  
Arg Pro Asp Pro Ala Gly Leu Ser Arg Ser Gln Val Gln Thr Asp Gly  
20 25 30  
Thr Asp Leu Ser Gly His His Arg Asp Val Glu Ala Arg Val Lys Ser  
35 40 45  
Trp Ser Thr  
50

<210> 6938  
<211> 231  
<212> PRT  
<213> Homo sapiens

<400> 6938  
Met Lys Glu Glu Gly Phe Xaa Glu Asp Glu Ala Thr Glu Ser Glu  
1 5 10 15  
Lys Asn Phe Lys Phe Gly Lys Arg Val Gly Cys Leu Ser Glu Val Pro  
20 25 30  
Glu Ser Tyr Val Glu Thr Ser Ala Ser Gly Gly Thr Val Ser Leu Ile  
35 40 45  
Ala Phe Thr Thr Met Ala Leu Leu Thr Ile Met Glu Phe Ser Val Tyr  
50 55 60  
Gln Asp Thr Trp Met Lys Tyr Glu Tyr Glu Val Asp Ser  
65 70 75

<210> 6939  
<211> 225  
<212> PRT  
<213> Homo sapiens

<400> 6939  
Met Tyr Thr Gly Glu Ser Xaa Xaa Xaa Leu Phe Xaa Asn Leu Lys Leu  
1 5 10 15  
Val Tyr Ile Met Val Val Xaa Xaa Ser Xaa Pro Ser Pro Gln Asp Ala  
20 25 30  
Val Gly Cys Xaa Phe Val Gly Arg Val Xaa Ser Trp Xaa Phe Leu Thr  
35 40 45  
Glu Ala His Ser Thr Gly Xaa Phe Phe Val Gly Val Phe Asn Glu Ala  
50 55 60  
Tyr Lys Trp Gln Lys Gln Lys Ala Ser Lys Thr  
65 70 75

<210> 6940  
<211> 180

<212> PRT  
 <213> Homo sapiens

<400> 6940  
 Met Ser Ala Val Asn Cys Ser Phe His Lys His Phe Ile His Asp Leu  
 1 5 10 15  
 Lys Tyr Cys Ala Ile Ile Gly Thr Thr Glu Leu Gln Asn Tyr Phe Lys  
 20 25 30  
 Ile Val Pro Tyr Leu Leu Asp Ile Pro Phe Ser Ala Val Phe Lys Xaa  
 35 40 45  
 Thr Pro Gly Val Gly Trp Gly Arg Glu Thr Gln Leu  
 50 55 60

<210> 6941  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 6941  
 Met Ala Glu Lys Lys Ser Lys Lys Lys Val Glu Glu Glu Glu Glu Asp  
 1 5 10 15  
 Gly Val Asn Met Glu Asn Phe Gln Glu Phe Ile Arg Gln Ala Ser Glu  
 20 25 30  
 Ala Glu Leu Glu Glu Val Leu Thr Phe Tyr Thr Gln Lys Asn Lys Ser  
 35 40 45  
 Ala Ser Val Phe Leu Gly Thr His Ser Lys Ile Ser Lys Asn Asn Asn  
 50 55 60  
 Asn Tyr Ser Asp Ser Xaa Ala  
 65 70

<210> 6942  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 6942  
 Met Trp Cys Pro Leu Val Thr Ser Val Ser Cys Val Ile Lys Met Val  
 1 5 10 15  
 Cys His Ala Ile His Ser Asn Met Leu Phe Cys Ile Phe Pro Gln Asp  
 20 25 30  
 Val Pro Thr Gly Pro Pro Glu Gly Glu Thr Gln Ser Xaa Xaa Leu Asn  
 35 40 45  
 Ser Ser Leu Phe Ser Pro His His Leu Arg Leu Ser Phe Val Ile Val  
 50 55 60  
 Thr Ser Glu  
 65

<210> 6943  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 6943  
 Met Lys Leu Cys Lys Tyr Ser Arg Arg Gly Gly Arg Arg Arg Cys Ser

1 5 10 15  
Val Tyr Ile Arg Phe Ile Cys Glu Ile Leu Leu Pro Val Pro Val Thr  
20 25 30  
Ile Leu Ser Thr Ala Pro Val Ala Gln Val Ala Asn Ser Trp Cys Gly  
35 40 45  
Leu Gly Gly Ala Tyr Cys Lys Glu Ala  
50 55

<210> 6944  
<211> 195  
<212> PRT  
<213> Homo sapiens

<400> 6944  
Met Pro Ala Asn Ser Gly Leu Ala Leu Arg Leu Leu Gln His Glu Trp  
1 5 10 15  
Glu Glu Ser Asn Val Gln Ile Leu Lys Leu Gln Ala Lys Met Phe Thr  
20 25 30  
Tyr Asn Ile Pro Thr Cys Leu Ala Thr Trp Lys Ile Ala Ile Ala Ala  
35 40 45  
Glu Ile Val Leu Lys Gly Gln Arg Glu Val His Arg Leu Tyr Gln Arg  
50 55 60  
Ala  
65

<210> 6945  
<211> 372  
<212> PRT  
<213> Homo sapiens

<400> 6945  
Met Gly Leu Pro Lys Leu Asn Ala Arg Leu Lys Asp Glu Thr Leu Gln  
1 5 10 15  
Pro Phe Phe Glu Gly Leu Leu Pro Arg Asp Asn Pro Arg Asn Thr Arg  
20 25 30  
Phe Ala Ile Asn Phe Phe Thr Ser Ile Gly Leu Gly Gly Leu Thr Asp  
35 40 45  
Glu Leu Arg Glu His Leu Lys Asn Thr Pro Lys Val Ile Val Ala Gln  
50 55 60  
Lys Pro Asp Val Glu Gln Asn Lys Ser Ser Pro Ser Ser Ser Ser  
65 70 75 80  
Ala Ser Ser Ser Ser Glu Ser Asp Ser Ser Asp Ser Asp Ser Asp Ser  
85 90 95  
Ser Asp Ser Ser Ser Glu Ser Ser Ser Glu Glu Ser Asp Ser Ser Ser  
100 105 110  
Ile Ser Ser His Ser Ser Ala Ser Ala Asn Asp Val  
115 120

<210> 6946  
<211> 177  
<212> PRT  
<213> Homo sapiens

<400> 6946

Met Gly Thr Gly Phe Asp Val Asn Ile Val Glu Glu Glu Leu Gly Ile  
 1 5 10 15  
 Ile Ser Arg Ala Val Lys His Leu Phe Lys Ser Ile Glu Glu Lys Lys  
 20 25 30  
 His Ile Ala Ile Lys Asn Gly Leu Pro Ala Pro Asp Phe Lys Val Asn  
 35 40 45  
 Ala Gln Phe Leu Glu Leu Tyr Asn Glu Glu Val  
 50 55

<210> 6947  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 6947  
 Met Leu Thr Leu Leu Trp Asp Arg Gly Ser Ser Trp Thr Leu His Leu  
 1 5 10 15  
 Ser His Gln Ile Leu Gly Asp Ala Gly Gln Met Leu His Ala Phe Arg  
 20 25 30  
 Gly Phe Gln Arg Trp Pro Gly Cys Cys Xaa Xaa Glu Asp Ile Gln Gly  
 35 40 45  
 Asp Trp Thr Lys Glu Glu Pro Tyr Tyr Val Asn Cys Gln Arg Ser Arg  
 50 55 60  
 Ser Gln Ala Lys Val Thr Cys Cys Leu Pro His Leu Pro Pro Gly  
 65 70 75

<210> 6948  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 6948  
 Met Val Cys Leu Leu Tyr Thr His Ile Cys Ile Asp Met Cys Val Tyr  
 1 5 10 15  
 Tyr Thr His Met Tyr Arg Tyr Val Cys Ile Leu Tyr Ile Tyr Thr His  
 20 25 30  
 Thr His Met Tyr Thr Val His Arg Tyr Thr Tyr Ser Ile Cys Ile His  
 35 40 45  
 Pro Tyr Asn Lys Arg Leu Leu Asp Ser Ile Val Glu Leu Leu Trp Gln  
 50 55 60  
 Asp Phe His Pro Arg Leu Arg Thr Pro  
 65 70

<210> 6949  
 <211> 312  
 <212> PRT  
 <213> Homo sapiens

<400> 6949  
 Met Asn Thr Trp Ser Leu His Lys Pro Glu Asp Tyr Pro Gln Thr Ala  
 1 5 10 15  
 Val Ser Val Val Met Glu Thr Thr Ala Phe Glu Ala Thr Lys Ala Pro  
 20 25 30  
 Leu Gly His Arg Ala Leu Leu Ala Phe Gln Glu Thr Met Glu Thr Met

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	35					40				45									
Ala	Thr	Met	Glu	Pro	Leu	Val	Met	Lys	Glu	Pro	Lys	Val	Arg	Arg	Ala				
	50					55					60								
Thr	Lys	Val	Thr	Trp	Gly	Leu	Glu	Gly	Ser	Gly	Gly	Ser	Met	Ala	Pro				
65					70					75					80				
Lys	Glu	Arg	Arg	Ala	Thr	Arg	Gly	Phe	His	Gln	Asn	Phe	Arg	Leu	His				
				85					90					95					
Ser	Trp	Leu	Leu	Trp	Xaa	Pro	Leu												
				100															

<210> 6950  
 <211> 222  
 <212> PRT  
 <213> Homo sapiens

Met	Thr	Ser	Leu	Phe	Ala	Gln	Glu	Ile	Arg	Leu	Ser	Lys	Arg	His	Glu				
1				5					10					15					
Glu	Ile	Val	Ser	Gln	Arg	Leu	Met	Leu	Leu	Gln	Gln	Met	Glu	Asn	Lys				
			20					25					30						
Leu	Gly	Asp	Gln	His	Thr	Glu	Lys	Ala	Ser	Gln	Leu	Gln	Thr	Val	Glu				
		35					40					45							
Thr	Ala	Phe	Lys	Arg	Asn	Leu	Ser	Leu	Leu	Lys	Asp	Ile	Glu	Ala	Ala				
	50					55					60								
Glu	Lys	Ser	Leu	Gln	Thr	Arg	Ile	His	Pro										
65					70														

<210> 6951  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

Met	Thr	Ser	Leu	Phe	Ala	Val	Val	Leu	Gln	Arg	Glu	Lys	Glu	Pro	His				
1				5					10					15					
Leu	Trp	Leu	Ser	Ser	Pro	His	Ile	Arg	Phe	Ser	Leu	Arg	Val	Asn	Lys				
			20					25					30						
Leu	Ser	Glu	Leu	Met	Leu	Gln	Leu	Leu	Gln	Phe	Lys	Ala	Phe	Pro	Ser				
		35					40					45							
Ser	Leu	Val	Pro	Phe	Phe	Leu	Phe	Thr	Cys	Phe	Gly	His	Phe	Pro	Ser				
	50					55					60								
Phe	Thr	Thr	Phe	Gln	Gly														
65				70															

<210> 6952  
 <211> 312  
 <212> PRT  
 <213> Homo sapiens

Met	Ala	Ala	Ala	Ser	Pro	Leu	Arg	Asp	Cys	Gln	Ala	Trp	Lys	Asp	Ala				
1				5					10					15					
Arg	Leu	Pro	Leu	Ser	Thr	Thr	Ser	Asn	Glu	Ala	Cys	Lys	Leu	Phe	Asp				
			20					25						30					

Ala Thr Leu Thr Gln Tyr Val Lys Trp Thr Asn Asp Lys Ser Leu Gly  
 35 40 45  
 Gly Ile Glu Gly Cys Leu Ser Lys Leu Lys Ala Ala Asp Pro Thr Phe  
 50 55 60  
 Val Met Gly His Ala Met Ala Thr Gly Leu Val Leu Ile Gly Thr Gly  
 65 70 75 80  
 Ser Ser Val Lys Leu Asp Lys Glu Leu Asp Leu Ala Val Lys Thr Met  
 85 90 95  
 Val Glu Ile Ser Arg Thr His Ala  
 100

<210> 6953  
 <211> 432  
 <212> PRT  
 <213> Homo sapiens

<400> 6953  
 Met Tyr Thr Thr Val Val Tyr Cys Xaa Xaa Phe Val Phe Gly Arg Gly  
 1 5 10 15  
 Gly Gly Met Gly Asp Arg Phe Ser Leu Leu Ser Pro Arg Pro Glu Cys  
 20 25 30  
 Asn Gly Val Ile Leu Ala His Cys Asn Leu Arg Leu Ser Gly Ser Thr  
 35 40 45  
 His Ser Pro Val Ser Ala Ser Gly Val Ala Gly Ile Thr Gly Met His  
 50 55 60  
 His His Ala Gln Leu Ile Phe Xaa Phe Leu Val Glu Thr Gly Phe His  
 65 70 75 80  
 His Val Gly Gln Ala Gly Leu Glu Leu Leu Thr Ser Gly Asp Pro Pro  
 85 90 95  
 Ala Ser Ala Ser Gln Ser Ala Glu Val Thr Gly Val Ser Xaa His Thr  
 100 105 110  
 Trp Pro Ala Leu Cys Tyr Phe Tyr Leu Val Ala Phe Thr Gln Val Phe  
 115 120 125  
 Leu Val Glu Xaa Ile Gln Val Ile Lys Ala Val Ile Leu Asn Thr Ile  
 130 135 140

<210> 6954  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 6954  
 Met Lys Arg Arg Leu Gln Gln Asp Lys Val Leu Ile Thr Glu Leu Ile  
 1 5 10 15  
 Gln His Ser Ala Lys His Lys Val Asp Ile Asp Cys Ser Gln Lys Val  
 20 25 30  
 Val Val Tyr Asp Xaa Ser Ser Gln Asp Val Ala Ser Leu Ser Ser Asp  
 35 40 45  
 Cys Phe Leu Thr Val Leu Leu Gly Lys Leu Glu Lys Ser Phe Asn Ser  
 50 55 60  
 Val His Leu Leu Ala  
 65

<210> 6955



<211> 279  
 <212> PRT  
 <213> Homo sapiens

<400> 6955  
 Met Gln Lys Tyr Glu Gln Lys Ile Arg His Phe Gly Met Leu Ser Arg  
 1 5 10 15  
 Trp Asp Asp Ser Gln Arg Phe Leu Ser Asp His Pro Tyr Leu Val Cys  
 20 25 30  
 Glu Glu Thr Ala Lys Tyr Leu Ile Leu Trp Cys Phe His Leu Glu Ala  
 35 40 45  
 Glu Lys Lys Gly Ala Leu Met Glu Gln Ile Ala His Gln Ala Val Val  
 50 55 60  
 Met Gln Phe Ile Met Glu Met Ala Lys Asn Cys Asn Val Asp Pro Arg  
 65 70 75 80  
 Gly Cys Phe Arg Leu Phe Phe Gln Lys Ala Lys Ala Glu  
 85 90

<210> 6956  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6956  
 Met Val Pro Ala Gly Leu Leu His Pro Leu Pro Arg Pro Glu Met Arg  
 1 5 10 15  
 Gly Thr His Ala Leu Ser Leu Arg Ser Gly Asp Glu Gly His Tyr Gly  
 20 25 30  
 Ala Gly Val Phe Gln Arg Gly Leu Cys Gly Arg Lys Phe Gly Arg Asn  
 35 40 45  
 Asn Arg Arg Lys Gly Gly  
 50

<210> 6957  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 6957  
 Met Trp Arg Asn Arg Asn Thr Phe Thr Pro Leu Val Gly Leu Ser Thr  
 1 5 10 15  
 Ser Ser Thr Ile Val Glu Val Ser Val Ala Ile Pro Gln Gly Ser Arg  
 20 25 30  
 Thr Arg Lys Tyr His Leu Thr Gln Pro Ser His Tyr Trp Val Tyr Thr  
 35 40 45  
 Gln Arg Thr Ile Asn His Ala Ala Ile Lys Thr His Ala His Ser  
 50 55 60

<210> 6958  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 6958

Met Asp Gly Asn Arg Pro Ser Pro Gly Pro Ile Ser Ser His Ile Phe  
 1 5 10 15  
 Cys Xaa Gly Gly Asn Gln Phe Cys Arg Glu Lys Tyr Leu Pro Xaa Pro  
 20 25 30  
 Xaa Lys Asp Gln Cys Gln Xaa Ile Leu Val Xaa Xaa Phe Trp Leu Leu  
 35 40 45  
 His Val Lys Xaa Pro Val  
 50

<210> 6959  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens

<400> 6959  
 Met Leu Met Ala Ile Leu Arg Ala Ala Ser Lys Lys Ile Thr Gln Lys  
 1 5 10 15  
 Cys Ile Val Glu Glu Thr Thr Arg Glu Leu Lys Leu Tyr Thr Arg Lys  
 20 25 30  
 Ile Pro Asn Thr Lys Asn Ala Val Met Thr Glu Asp Ser Asn Gly Lys  
 35 40 45  
 Thr Glu Glu Gln Lys Gly Asn Thr His Arg Lys Gln Ile Ala Lys Trp  
 50 55 60  
 Gln Val  
 65

<210> 6960  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 6960  
 Met Met Cys Gln Cys Arg Phe Ile Lys Cys Asn Lys Tyr Thr Thr Leu  
 1 5 10 15  
 Leu Arg Leu Phe Ile Met Glu Glu Ala Thr Gln Val Leu Gly Arg Gly  
 20 25 30  
 Tyr Asn Leu Tyr Leu Pro Leu Ser Phe Ala Val Asn Leu Lys Leu Leu  
 35 40 45  
 Leu Lys Arg Leu Tyr Met Thr  
 50 55

<210> 6961  
 <211> 228  
 <212> PRT  
 <213> Homo sapiens

<400> 6961  
 Met Ser Ala Glu Trp Val Ser Lys Ala Asn Ala Lys Gln Arg Lys Gly  
 1 5 10 15  
 Arg Ala Gly Arg Val Gln Pro Gly His Cys Tyr His Leu Tyr Asn Gly  
 20 25 30  
 Leu Arg Ala Ser Leu Leu Asp Asp Tyr Gln Leu Pro Glu Ile Leu Arg  
 35 40 45  
 Thr Pro Leu Glu Glu Leu Cys Leu Gln Ile Lys Ile Leu Arg Leu Gly

50                      55                      60  
 Gly Ile Ala Tyr Phe Leu Ser Arg Leu Met Asp His  
 65                      70                      75

<210> 6962  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 6962  
 Met Pro Tyr Ile Pro Leu Met Glu Phe Ser Cys Ser His Ser His Leu  
 1                      5                      10                      15  
 Val Cys Leu Pro Ala Glu Trp Arg Thr Ser Cys Met Pro Ser Ser Lys  
                     20                      25                      30  
 Met Lys Glu Met Ser Ser Leu Phe Pro Glu Asp Trp Tyr Gln Phe Val  
                     35                      40                      45  
 Leu Arg Gln Leu Glu Cys Tyr His Ser Glu Glu Lys Ala  
                     50                      55                      60

<210> 6963  
 <211> 378  
 <212> PRT  
 <213> Homo sapiens

<400> 6963  
 Met Thr Met Tyr Lys Ser Lys Arg Arg His Gln Arg Tyr Ile Asn Met  
 1                      5                      10                      15  
 Ala Gly Glu Pro Lys Pro Tyr Arg Pro Lys Pro Gly Asn Lys Arg Pro  
                     20                      25                      30  
 Leu Ser Ala Leu Tyr Arg Leu Glu Ser Lys Glu Pro Phe Leu Ser Val  
                     35                      40                      45  
 Gly Gly Tyr Val Phe Asp Tyr Asp Tyr Tyr Arg Asp Asp Phe Tyr Asn  
                     50                      55                      60  
 Arg Leu Phe Asp Tyr His Gly Arg Val Pro Pro Pro Arg Ala Val  
 65                      70                      75                      80  
 Ile Pro Leu Lys Arg Pro Arg Val Ala Val Thr Xaa Thr Arg Arg Gly  
                     85                      90                      95  
 Lys Gly Val Phe Ser Met Xaa Gly Gly Ser Arg Ser Thr Ala Ser Gly  
                     100                      105                      110  
 Ser Thr Gly Ser Lys Leu Lys Ser Asp Glu Leu Gln Thr Ile  
                     115                      120                      125

<210> 6964  
 <211> 258  
 <212> PRT  
 <213> Homo sapiens

<400> 6964  
 Met Ala Ser Ser Val Ala Pro Tyr Glu Gln Leu Val Arg Gln Val Glu  
 1                      5                      10                      15  
 Ala Leu Lys Ala Glu Asn Ser His Leu Arg Gln Glu Leu Arg Asp Asn  
                     20                      25                      30  
 Ser Ser His Leu Ser Lys Leu Glu Thr Glu Thr Ser Gly Met Lys Glu  
                     35                      40                      45

Val Leu Lys His Leu Gln Gly Lys Leu Glu Gln Glu Ala Arg Val Leu  
 50 55 60  
 Val Ser Ser Gly Gln Thr Glu Val Leu Glu Gln Leu Lys Ala Leu Gln  
 65 70 75 80  
 Met Asp Ile Thr Ser Leu  
 85

<210> 6965  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6965  
 Met Thr Val Thr Val Lys Lys Thr Val Pro Ser Pro Glu Ala Val Gln  
 1 5 10 15  
 Ile Leu Tyr Gln Arg Met Arg Tyr Glu Tyr Glu Phe Tyr His Tyr Val  
 20 25 30  
 Lys Glu Gln Phe His Leu Leu Lys Arg Lys Phe Gly Leu Xaa Ser His  
 35 40 45  
 Val Ser Lys Pro Pro Leu Arg Pro His Phe Phe Ile  
 50 55 60

<210> 6966  
 <211> 216  
 <212> PRT  
 <213> Homo sapiens

<400> 6966  
 Met Glu Thr Leu Ile Glu Cys Gln Ser Glu Gly Asp Ile Lys Glu His  
 1 5 10 15  
 Pro Leu Leu Ala Ser Cys Glu Ser Glu Asp Ser Ile Cys Gln Leu Ile  
 20 25 30  
 Glu Val Lys Lys Arg Lys Lys Val Leu Ser Trp Pro Phe Leu Met Arg  
 35 40 45  
 Arg Leu Ser Pro Ala Ser Asp Phe Ser Gly Ala Leu Glu Thr Asp Leu  
 50 55 60  
 Lys Ala Ser Leu Phe Asp Gln Pro  
 65 70

<210> 6967  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 6967  
 Met Glu Glu Leu Asp Arg Lys Trp Arg Glu Lys Val Leu Pro Ala Ala  
 1 5 10 15  
 Lys Leu Ile Lys Arg Arg Asn Leu Phe Ser Thr Cys Thr Pro Gln Tyr  
 20 25 30  
 Gly Thr His Ala Ala Phe Leu Ser Leu His Ala Ser Leu Val Thr Lys  
 35 40 45  
 Ala Phe Ser Ile Asn Ser Trp Glu  
 50 55

<210> 6968  
 <211> 234  
 <212> PRT  
 <213> Homo sapiens

<400> 6968  
 Met Ala Tyr Gly Ser Ala Ser Gln Leu Leu Arg Thr Tyr Phe Xaa Glu  
 1 5 10 15  
 Gly Met Ser Glu Thr Leu Ile Arg Asn Ile Leu Phe Gly Ala Val Arg  
 20 25 30  
 Gly Leu Asn Tyr Leu His Gln Asn Gly Cys Ile His Arg Ser Ile Lys  
 35 40 45  
 Ala Ser His Ile Leu Ile Ser Gly Asp Gly Leu Val Thr Leu Ser Gly  
 50 55 60  
 Leu Ser His Leu His Ser Leu Val Lys His Gly Gln Arg Gln  
 65 70 75

<210> 6969  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 6969  
 Met Lys Ala Lys Lys Gly Met Leu Lys Gly Leu Xaa Xaa Met Phe Arg  
 1 5 10 15  
 Phe Gly Lys His Arg Lys Asp Asp Lys Ile Glu Lys Thr Gly Lys Ile  
 20 25 30  
 Lys Ile Gln Glu Ser Phe Thr Ser Glu Glu Glu Arg Ile Arg Met Lys  
 35 40 45  
 Gln Glu Gln  
 50

<210> 6970  
 <211> 351  
 <212> PRT  
 <213> Homo sapiens

<400> 6970  
 Met Ser Cys Leu Xaa Asn Xaa Leu Xaa Val Leu Phe Ser Thr Ala Ser  
 1 5 10 15  
 Ile Met His Leu Cys Ala Ile Ser Val Asp Arg Tyr Ile Ala Ile Lys  
 20 25 30  
 Lys Pro Ile Gln Ala Asn Gln Tyr Asn Ser Arg Ala Thr Ala Phe Ile  
 35 40 45  
 Lys Ile Thr Val Val Trp Leu Ile Ser Ile Gly Ile Ala Ile Pro Val  
 50 55 60  
 Pro Ile Lys Gly Ile Glu Thr Asp Val Asp Asn Pro Asn Asn Ile Thr  
 65 70 75 80  
 Cys Val Leu Thr Lys Glu Arg Phe Gly Asp Phe Met Leu Xaa Gly Ser  
 85 90 95  
 Leu Ala Ala Phe Phe Thr Pro Leu Ala Ile Met Ile Val Thr Tyr Phe  
 100 105 110  
 Leu Thr Ile His Ala  
 115

<210> 6971  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens

<400> 6971  
 Met Val Ile Leu Trp Thr Met Glu Thr Ser Ser Glu Tyr Ala Asp Phe  
 1 5 10 15  
 Pro Leu Leu Thr Leu Pro Ser Leu Trp Leu Leu Leu Pro Asp Lys Gly  
 20 25 30  
 Gln Gly His Leu Lys Thr Leu Pro Pro Val Gly Phe Gly Val Thr Gly  
 35 40 45  
 Ala Ser Ala Cys Ser His Ile Phe Gln Lys Gly Ser Ala Leu Arg Thr  
 50 55 60  
 Ser Leu Tyr Leu Gly Xaa Xaa Ile Pro Leu Ala Val Leu Thr Ser Ser  
 65 70 75 80

<210> 6972  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6972  
 Met Leu Phe Gly Xaa Arg Phe Asp Trp Pro Val Ala Ile Ser Leu Glu  
 1 5 10 15  
 Thr Cys Val Phe Thr Arg His Glu Glu Ser Phe Ser Phe Gln Leu Glu  
 20 25 30  
 Leu Tyr His Gln Pro Lys Gly Glu Glu Cys Pro Asn Ala Tyr Gln Val  
 35 40 45  
 Leu Arg Leu Gly  
 50

<210> 6973  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 6973  
 Met Phe Arg Thr Phe Asn Ser Lys Arg Lys Arg Val Ser Ile Glu Lys  
 1 5 10 15  
 Trp Ser Cys Leu Leu Ser Asn Arg His Val Ser Phe Ile Tyr Lys Arg  
 20 25 30  
 Ser Lys Leu Asn Gly Phe Phe Pro Pro Ser Arg Glu Val Ala Phe Glu  
 35 40 45  
 Thr Arg Ile Ser Leu Leu Thr  
 50 55

<210> 6974  
 <211> 258  
 <212> PRT  
 <213> Homo sapiens

<400> 6974

Met Ser Arg Leu Glu Ala Lys Lys Pro Ser Leu Cys Lys Ser Glu Pro  
 1 5 10 15  
 Leu Thr Thr Glu Arg Val Arg Thr Thr Leu Ser Val Leu Lys Arg Ile  
 20 25 30  
 Val Thr Ser Cys Tyr Gly Pro Ser Gly Arg Leu Lys Gln Leu His Asn  
 35 40 45  
 Gly Phe Gly Gly Tyr Val Cys Thr Thr Ser Gln Ser Ser Ala Leu Leu  
 50 55 60  
 Ser His Leu Leu Val Thr His Pro Ile Leu Lys Ile Leu Thr Xaa Ser  
 65 70 75 80  
 Ile Gln Asn His Val Ser  
 85

<210> 6975  
 <211> 366  
 <212> PRT  
 <213> Homo sapiens

<400> 6975  
 Met Val Leu Val Ser Trp Ile Met Trp Tyr Val Pro Val Gly Ile Met  
 1 5 10 15  
 Phe Leu Val Gly Ser Lys Ile Val Glu Met Lys Asp Ile Ile Val Leu  
 20 25 30  
 Val Thr Ser Leu Gly Lys Tyr Ile Phe Ala Ser Ile Leu Gly His Val  
 35 40 45  
 Ile His Gly Gly Ile Val Leu Pro Leu Ile Tyr Phe Val Phe Thr Arg  
 50 55 60  
 Xaa Asn Pro Phe Arg Phe Leu Leu Gly Leu Leu Ala Pro Phe Ala Thr  
 65 70 75 80  
 Xaa Leu Leu Pro Ala Pro Gly Glu Trp Val Leu Gly Leu Phe Thr Ala  
 85 90 95  
 Leu Ser His Val Asn Met Glu Pro Gly Glu Pro Ser Gly Arg Cys Thr  
 100 105 110  
 Xaa Ser Val Leu Thr Tyr Phe Asn Ser Trp  
 115 120

<210> 6976  
 <211> 243  
 <212> PRT  
 <213> Homo sapiens

<400> 6976  
 Met Ala Ser Lys Tyr Val Lys Arg Cys Leu Val Ser Leu Val Ile Thr  
 1 5 10 15  
 Glu Ile Lys Thr Thr Met Arg Tyr His Phe Ile Pro Thr Gly Met Val  
 20 25 30  
 Val Ile Lys Arg Thr Lys Ile Thr Gly Phe Asp Glu Asp Val Gln Lys  
 35 40 45  
 Leu Glu Pro Leu Tyr Ile Ala Cys Ile Asn Thr Asn Trp Trp Tyr Ser  
 50 55 60  
 Cys Xaa Gly Xaa Gln Phe Gly Xaa Pro Gln Lys Val Asn Ile Lys Ala  
 65 70 75 80  
 Gly

<210> 6977  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 6977  
 Met Leu Phe Tyr Leu Phe Lys Met Glu Phe His Ser Ser Pro Arg Leu  
 1 5 10 15  
 Glu Cys Xaa Gly Thr Ile Ser Ala His Cys Asn Leu Leu Leu Val Gly  
 20 25 30  
 Ser Lys Ser Phe Ser Cys Leu Asn Leu Pro Ser Ser Trp Asp Trp Arg  
 35 40 45  
 Arg Thr Pro Pro Pro  
 50

<210> 6978  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 6978  
 Met Gln Ser Pro Phe Ser Phe Pro Leu Ser Leu His Phe Gly Lys Phe  
 1 5 10 15  
 Phe Leu Thr Val Leu Pro Thr Asn Phe Phe Lys Cys Ser Ser Leu Cys  
 20 25 30  
 Ala Val Gly Thr Lys Ile Trp Pro Gln Val Val Thr Phe Leu Xaa Phe  
 35 40 45  
 Ser Leu Ile Asp Asn Pro Gln Lys Ser Val Asn Gly Met  
 50 55 60

<210> 6979  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 6979  
 Met Gln Phe Leu Pro Ser Leu Asp Gly Leu Tyr Ile Leu Ala Cys Phe  
 1 5 10 15  
 Cys Ser Gly Trp Tyr Arg Phe Phe Leu Ser Met Phe Ser Ala Ser Phe  
 20 25 30  
 Arg Ser Ser Phe Arg Val Gly Leu Val Val Thr Lys Ser Leu Asn Ile  
 35 40 45  
 Cys Leu Ser Val Lys Tyr Phe Ile Ser Pro Ser Leu Met Lys Leu Ser  
 50 55 60  
 Leu Ala Gly  
 65

<210> 6980  
 <211> 291  
 <212> PRT  
 <213> Homo sapiens

<400> 6980  
 Met Asp Leu Lys Ala Lys Met Pro Asp Asp His Ala Arg Lys Ile Leu



1                    5                    10                    15  
 Leu Ser Arg Ile Asn Asn Tyr Thr Ile Pro Glu Glu Glu Ile Gly Ser  
                   20                    25                    30  
 Phe Leu Phe His Ala Ile Asn Lys Pro Asn Ala Pro Ile Trp Leu Ile  
                   35                    40                    45  
 Leu Asn Glu Ala Gly Leu Tyr Trp Arg Ala Val Gly Asn Ser Thr Phe  
                   50                    55                    60  
 Ala Ile Ala Cys Leu Gln Arg Ala Leu Asn Leu Ala Pro Leu Gln Tyr  
 65                    70                    75                    80  
 Gln Asp Val Pro Leu Val Asn Leu Ala Asn Leu Leu Ile His Tyr Gly  
                   85                    90                    95  
 Gln

<210> 6981  
 <211> 258  
 <212> PRT  
 <213> Homo sapiens

<400> 6981  
 Met Asp Glu Ala Lys Ile Leu Lys Ser Leu His His Pro Asn Ile Val  
 1                    5                    10                    15  
 Gly Tyr Arg Ala Phe Thr Glu Ala Asn Asp Gly Ser Leu Cys Leu Ala  
                   20                    25                    30  
 Met Glu Tyr Gly Gly Glu Lys Ser Leu Asn Asp Leu Ile Glu Glu Arg  
                   35                    40                    45  
 Tyr Lys Ala Ser Gln Asp Pro Phe Pro Ala Ala Ile Ile Leu Lys Val  
                   50                    55                    60  
 Ala Leu Asn Met Ala Arg Gly Leu Lys Tyr Leu His Gln Glu Lys Xaa  
 65                    70                    75                    80  
 Leu Leu His Gly Asp Ile  
                   85

<210> 6982  
 <211> 204  
 <212> PRT  
 <213> Homo sapiens

<400> 6982  
 Met Ala Ser Pro Ala Asn Ser Phe Val Gly Thr Pro Tyr Trp Met Ala  
 1                    5                    10                    15  
 Pro Glu Val Ile Leu Ala Met Asp Glu Gly Gln Tyr Asp Gly Lys Val  
                   20                    25                    30  
 Asp Ile Trp Ser Leu Gly Ile Thr Cys Ile Glu Leu Ala Glu Arg Lys  
                   35                    40                    45  
 Pro Pro Leu Phe Asn Met Asn Ala Met Ser Ala Leu Tyr His Ile Ala  
                   50                    55                    60  
 Gln Asn Asp Ser  
 65

<210> 6983  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

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<400> 6983

```
Met Arg Gln Lys Asn Arg Leu Asn Pro Gly Gly Gly Gly Cys Gly Glu
1           5           10           15
Pro Arg Ser Arg His Cys Thr Pro Ala Trp Arg Leu Ser Asp Thr Pro
          20           25           30
Ser Pro Ser Pro Arg Pro Lys Lys Asn Leu Phe Ser Gly Glu Arg Gln
          35           40           45
Gly Arg Ser Phe Gln Pro Asp Trp Gly Arg Arg Glu Glu
          50           55           60
```

<210> 6984

<211> 216

<212> PRT

<213> Homo sapiens

<400> 6984

```
Met Thr Gly Leu Cys Leu Ser Gly Val Glu Pro Trp Gly Val Leu Pro
1           5           10           15
Pro Lys Thr Asp Pro Leu Gln Ser Arg His Ser Pro Lys Val Pro Gln
          20           25           30
Thr Leu Tyr Ser Arg Thr Met Val Gly Arg Trp Trp Ala Pro Ser Pro
          35           40           45
Val Pro Ser Leu Lys Gln Gly Ser Thr Gln Asp Ser Ala Ile Lys Asp
          50           55           60
Phe Val Leu Lys Tyr Ala Leu Arg
65           70
```

<210> 6985

<211> 222

<212> PRT

<213> Homo sapiens

<400> 6985

```
Met Glu Lys Glu Lys Gly Asn Asp Asp Gly Ile Pro Asp Gln Glu Asn
1           5           10           15
Ser Leu Asp Phe Ser Glu His Phe Asn Gln Leu Glu Leu Leu Glu Thr
          20           25           30
His Gly His Leu Ile Pro Thr Gly Thr Gln Ser Leu Trp Val Gly Asn
          35           40           45
Ser Asp Glu Asp Glu Glu Gln Asp Asp Lys Asn Glu Glu Trp Tyr Arg
          50           55           60
Leu Gln Xaa Lys Lys Met Glu Lys Asp Pro
65           70
```

<210> 6986

<211> 357

<212> PRT

<213> Homo sapiens

<400> 6986

```
Met Ile Val Ser Leu Val Glu Asp Tyr Pro Asn Tyr Met Ile Ile Asn
1           5           10           15
Leu Asp Lys Leu Asp Tyr Cys Ala Ser Leu Lys Asn Leu Glu Thr Ile
          20           25           30
```

Ser Asn Lys Gln Asn Tyr Lys Phe Ile Gln Gly Asp Ile Cys Asp Ser  
35 40 45  
His Phe Val Lys Leu Leu Phe Glu Thr Xaa Xaa Ile Asp Ile Val Leu  
50 55 60  
His Phe Ala Ala Gln Thr His Val Asp Leu Ser Phe Val Arg Ala Xaa  
65 70 75 80  
Xaa Phe Thr Tyr Val Asn Val Tyr Gly Thr His Val Leu Val Ser Ala  
85 90 95  
Ala His Glu Ala Arg Val Glu Ser Leu Phe Met Ser Ala Gln Met Lys  
100 105 110  
Tyr Met Val Ala Val Leu Ile  
115

<210> 6987  
<211> 327  
<212> PRT  
<213> Homo sapiens

<400> 6987  
Met Leu Tyr Val Ser Asp Glu Lys Lys Asn Met Asn Trp Lys Gln Leu  
1 5 10 15  
Pro Lys Lys Pro Cys Lys Asn Leu Leu Ser Thr Leu Lys Lys Leu Tyr  
20 25 30  
Pro Gln Leu Ser Ser Val His Gln Lys Thr Gln Glu Gly Ser Ala Ile  
35 40 45  
Asp Met Thr Pro Ile Glu Ala Asp Phe Ser Trp Gln Lys Lys Met Thr  
50 55 60  
Gln Leu Glu Met Glu Ile Gln Glu Ala Phe Leu Arg Phe Met Ala Ser  
65 70 75 80  
Ile Leu Lys Gly Tyr Arg Thr Tyr Leu Arg Pro Ile Thr Glu Ala Pro  
85 90 95  
Ser Asn Lys Ala Thr Ala Ala Asp Ser Leu Phe Asp Arg  
100 105

<210> 6988  
<211> 300  
<212> PRT  
<213> Homo sapiens

<400> 6988  
Met Ala Ala Ser Ala Phe Ala Gly Ala Val Arg Ala Ala Ser Gly Ile  
1 5 10 15  
Leu Arg Pro Leu Asn Ile Leu Ala Ser Ser Thr Tyr Arg Asn Cys Val  
20 25 30  
Lys Asn Ala Ser Leu Ile Ser Ala Leu Ser Thr Gly Arg Phe Ser Gln  
35 40 45  
Xaa Gln Thr Pro Val Val Ser Ser Thr Pro Arg Leu Thr Thr Ser Glu  
50 55 60  
Arg Asn Leu Thr Cys Gly His Thr Ser Val Ile Leu Asn Arg Met Ala  
65 70 75 80  
Pro Val Leu Pro Ser Val Leu Lys Leu Pro Val Arg Ser Leu Thr Tyr  
85 90 95  
Phe Ser Ala Arg  
100

<210> 6989  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 6989  
 Met Trp Arg Pro Asn Glu Glu Gly Arg Gly Leu Arg Pro Phe Gly Gln  
 1 5 10 15  
 Gly Ser Arg Val Ala Gly Gly Ser Leu Leu Ser Thr Leu Ala Lys Val  
 20 25 30  
 Leu Leu Asp Ser Glu Ala Pro Thr Ser Arg Leu Ala Val Lys Ala Ile  
 35 40 45  
 Phe Lys Met Thr Cys Phe Gln Ala Ser Gly Arg Arg Pro  
 50 55 60

<210> 6990  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 6990  
 Met Leu Cys Leu Gly Pro Ala Glu Lys Glu Lys Arg Asp Lys Ala Ser  
 1 5 10 15  
 Gln Glu Gly Gly Asp Val Leu Gly Ala Arg Gln Xaa Cys Thr Pro Pro  
 20 25 30  
 Leu Lys Ser Leu Val Ala Thr Gly Asn Leu Leu Asp Leu Glu Glu Thr  
 35 40 45  
 Ala Xaa Ala Pro Xaa Ser Thr Val Ser Ala Asn Thr  
 50 55 60

<210> 6991  
 <211> 282  
 <212> PRT  
 <213> Homo sapiens

<400> 6991  
 Met Glu Lys Glu Lys Pro Val Lys Arg Lys Met Lys Ser Ser Val Leu  
 1 5 10 15  
 Pro Lys Ala Ser Thr Leu Ser Lys Ser Ser Ala Val Ile Glu Gln Gly  
 20 25 30  
 Asp Cys Lys Asn Asn Ala Leu Val Pro Gly Thr Ile Gln Val Asn Gly  
 35 40 45  
 His Gly Gly Gln Pro Ser Lys Leu Val Lys Arg Gly Pro Gly Arg Lys  
 50 55 60  
 Pro Lys Val Glu Val Asn Thr Asn Ser Gly Glu Ile Ile His Lys Lys  
 65 70 75 80  
 Arg Gly Arg Lys Pro Lys Lys Leu Gln Tyr Ala Lys Pro Glu  
 85 90

<210> 6992  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 6992

Met Ala Leu Gly Leu Glu Asn Thr Val Ala Gly Phe Lys Asn Ser Phe  
1 5 10 15  
His Thr Cys Gln Thr Lys Asn Leu Ser Ala His Val Val Trp Leu Val  
20 25 30  
Asn Ser Ala Cys Gln Glu Glu Ala Val Pro Pro His Gln Xaa Ser Ser  
35 40 45  
Gln Asp Asp His  
50

<210> 6993

<211> 225

<212> PRT

<213> Homo sapiens

<400> 6993

Met Pro Leu Pro Phe Phe Leu Leu His Gln Ala Leu Ser Met Pro Leu  
1 5 10 15  
Phe Leu Phe Leu Ser Tyr Ile Ile Asn Tyr Cys Val His Ile Gly Val  
20 25 30  
Trp Asn His Glu Ser Val Leu Ser Arg Lys Asn His Gly Thr Glu Arg  
35 40 45  
Ile Asp Ser Asp Phe Ile Arg Ser Thr Leu Val Thr Ala Arg Phe Tyr  
50 55 60  
Lys Val Leu Asn Gly Tyr Thr Phe Val Pro Lys  
65 70 75

<210> 6994

<211> 177

<212> PRT

<213> Homo sapiens

<400> 6994

Met Pro Gln Cys Asn Ala Phe Leu Ser Lys Ile Met Thr Ser Leu Leu  
1 5 10 15  
Ser Pro Pro His Arg Arg Pro Thr Leu His Arg Arg Pro Thr Leu Pro  
20 25 30  
Tyr Arg Thr Trp Glu Ala Ala Leu Arg Gln Lys Val Gln Gln Trp Tyr  
35 40 45  
Thr Ala Val Gly Gln Thr Glu Asn Pro Asp Ile  
50 55

<210> 6995

<211> 159

<212> PRT

<213> Homo sapiens

<400> 6995

Met Val Pro Ser Ala Ala Ala Ser Gln Asn Pro Glu Ser Glu Lys Arg  
1 5 10 15  
Asn Thr Cys Val Leu Arg Glu Gln Ile Val Ala Gln Tyr Pro Ser Leu  
20 25 30  
Lys Arg Glu Ser Glu Lys Ile Ile Glu Asn Phe Lys Lys Lys Met Lys

35  
Val Lys Asn Gly Asp  
50

40

45

<210> 6996  
<211> 240  
<212> PRT  
<213> Homo sapiens

<400> 6996  
Met Gln Lys Gly Ser Gln Gly Cys Ala Leu Pro His Pro Leu Pro Gly  
1 5 10 15  
Ala Ser Leu Pro Ala Gln Pro Gly Pro Ala Asp His Arg Gly Trp Glu  
20 25 30  
Cys Arg Ile Gly Glu Lys Leu Thr Ala Glu Leu Gly Lys Phe Trp Val  
35 40 45  
Arg Gly His Ser Ala Ala Cys Gln Arg Thr Leu Cys Leu Cys Ser Gly  
50 55 60  
Arg Arg Gly Ser Leu Trp Thr Ala Ala Gly Xaa Tyr Leu Ile Leu Asn  
65 70 75 80

<210> 6997  
<211> 339  
<212> PRT  
<213> Homo sapiens

<400> 6997  
Met Glu Val Trp Asp Val Lys Asn Tyr Lys Leu Ile Ser Lys Pro Val  
1 5 10 15  
Ala Ser Asp Ser Thr Tyr Phe Ala Trp Cys Pro Asp Gly Glu His Ile  
20 25 30  
Leu Thr Ala Thr Cys Ala Pro Arg Leu Arg Val Asn Asn Gly Tyr Lys  
35 40 45  
Ile Trp His Tyr Thr Gly Ser Ile Leu His Lys Tyr Asp Val Pro Ser  
50 55 60  
Asn Ala Glu Leu Trp Gln Val Ser Trp Gln Pro Phe Leu Asp Gly Ile  
65 70 75 80  
Phe Pro Ala Lys Thr Ile Thr Tyr Gln Ala Val Pro Ser Glu Val Pro  
85 90 95  
Asn Glu Glu Pro Lys Val Ala Thr Ala Tyr Arg Pro Pro Ala Leu Arg  
100 105 110  
Asn

<210> 6998  
<211> 165  
<212> PRT  
<213> Homo sapiens

<400> 6998  
Met Val Ser Phe Ser Ser Xaa Asn Ile Ser Ile Arg Ala Val Phe Glu  
1 5 10 15  
Val Ser Ala Lys Ser Gly Pro Ser Gln Ser Gln Phe Leu Leu Pro Thr  
20 25 30  
Phe Phe Leu Tyr Val Gly His Thr Phe Phe Cys Ala Cys Leu Lys Phe

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35 40 45  
Phe Cys Leu Lys Pro Asp Leu  
50 55

<210> 6999  
<211> 156  
<212> PRT  
<213> Homo sapiens

<400> 6999  
Met Xaa Leu Thr Ile Xaa Xaa Cys Xaa Met Val Ala Ala Leu Ser Ala  
1 5 10 15  
Ile Arg Ala Asn Cys His Gln Glu Pro Ser Val Cys Leu Gln Ala Ala  
20 25 30  
Cys Pro Glu Ser Trp Ile Gly Phe Gln Arg Lys Cys Phe Tyr Phe Ser  
35 40 45  
Asp Asp Thr Lys  
50

<210> 7000  
<211> 309  
<212> PRT  
<213> Homo sapiens

<400> 7000  
Met Glu Cys Pro Ser Cys Gln His Val Ser Lys Glu Glu Thr Pro Lys  
1 5 10 15  
Phe Cys Ser Gln Cys Gly Glu Arg Leu Pro Pro Xaa Ala Pro Ile Ala  
20 25 30  
Asp Ser Glu Asn Asn Asn Ser Thr Met Ala Ser Ala Ser Glu Gly Glu  
35 40 45  
Met Glu Cys Gly Gln Glu Leu Lys Glu Glu Gly Gly Pro Cys Leu Phe  
50 55 60  
Pro Gly Ser Asp Ser Trp Gln Glu Asn Pro Glu Glu Pro Cys Ser Lys  
65 70 75 80  
Ala Ser Trp Thr Val Gln Glu Ser Lys Lys Lys Lys Arg Lys Lys Lys  
85 90 95  
Lys Lys Gly Asn Lys Ser Ala  
100

<210> 7001  
<211> 192  
<212> PRT  
<213> Homo sapiens

<400> 7001  
Met Ile Leu Pro Leu Arg Asn Ala Thr Gln Glu Phe Ile Ile Arg Pro  
1 5 10 15  
Gly Ala Val Ala Tyr Thr Cys Asn Pro Ser Thr Leu Gly Gly Trp Gly  
20 25 30  
Gly Trp Ile Thr Gly Ser Gly Val Arg Asp Arg Pro Gly Gln Arg Gly  
35 40 45  
Gly Ala His Leu Lys Asn Ala Lys Ile Ser Arg Ala Cys Trp Trp Ala  
50 55 60

<210> 7002  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 7002  
 Met Ser Leu Val Val Met Asp Val Lys Ile Glu Gln Val Ile Cys Lys  
 1 5 10 15  
 Val Xaa Leu Lys His Lys Ile Cys Lys Leu Cys Gln Ala Pro Ile Ser  
 20 25 30  
 Ala Cys Leu His Cys Ser Phe Val Arg Lys His Met Ser Asp Cys Glu  
 35 40 45  
 Lys Leu Met Gln Thr Cys Tyr Thr Pro Ser His Val Gly Gly Asn Thr  
 50 55 60  
 Ser Ser Ser Pro Gln Ser Pro Arg Pro  
 65 70

<210> 7003  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 7003  
 Met Glu Lys Lys Gln Ser Arg Lys Thr Gly Asn Ser Lys Asn Gln Ser  
 1 5 10 15  
 Ala Ser Pro Pro Pro Lys Glu His Ser Ser Ser Pro Ala Thr Glu Gln  
 20 25 30  
 Ser Trp Thr Glu Ser Asp Phe Asp Glu Leu Arg Glu Gly Phe Arg  
 35 40 45  
 Arg Ser Asn Tyr Ser Glu Leu Lys Glu Glu Val Arg Thr His Gly Lys  
 50 55 60  
 Glu Val Lys Asn Leu Gly  
 65 70

<210> 7004  
 <211> 234  
 <212> PRT  
 <213> Homo sapiens

<400> 7004  
 Met Arg Tyr His Ala Gln Met Phe Phe Val Phe Leu Val Glu Thr Gly  
 1 5 10 15  
 Phe Arg His Val Gly Gln Ala Gly Leu Lys Leu Leu Thr Ser Gly Asp  
 20 25 30  
 Pro Pro Ala Ser Val Ser Arg Gly Val Gln Thr Leu Glu Phe Lys Phe  
 35 40 45  
 His Ile Ser Cys Met Phe His Glu Leu Leu Ile Leu Phe Pro Pro Thr  
 50 55 60  
 Ile Lys Lys Met Leu Lys Tyr Leu Ser Ser Leu Ala Arg Pro  
 65 70 75

<210> 7005  
 <211> 318



<212> PRT  
<213> Homo sapiens

<400> 7005

```

Met Pro Ser Ser Glu Asn Glu Lys Ala Val Ser Pro Lys Lys Ala Leu
1          5          10          15
Leu Pro Pro Thr Val Ser Leu Ser Ala Thr Ser Thr Ser Ser Glu Pro
          20          25          30
Leu Ser Ser Asn Gln Pro Ala Ser Val Thr Asp Tyr Gln Asn Val Ser
          35          40          45
Phe Ser Asn Leu Thr Val Asn Thr Ser Trp Gln Xaa Lys Ser Ala Phe
          50          55          60
Thr Arg Thr Val Ser Pro Gly Ser Val Ser Pro Ile His Gly Gln Gly
65          70          75          80
Gln Val Val Glu Thr Xaa Xaa Ala Gln Ala Leu Cys Ser Trp Thr Ala
          85          90          95
Lys Lys Ile Pro Leu Glu Leu Leu Lys His
          100          105

```

<210> 7006  
<211> 159  
<212> PRT  
<213> Homo sapiens

<400> 7006

```

Met Ile Leu Thr Glu Glu Ile Leu Gln Val Phe Thr Ala Lys Pro Lys
1          5          10          15
Glu Met Arg Val Asn Ser Lys Trp Pro Thr Gln Arg Ser Met Asp Tyr
          20          25          30
Val Glu Thr Trp Thr Ile Ala Ala Ile Ser Gln Trp Cys Ser Phe Gln
          35          40          45
Val Phe Tyr Pro Arg
          50

```

<210> 7007  
<211> 189  
<212> PRT  
<213> Homo sapiens

<400> 7007

```

Met Thr Tyr Gly Ser Val Phe Asn Asn Thr Val Ser Ile Ser Lys Gly
1          5          10          15
Ile Xaa Met Gln Val Xaa Leu Gln Xaa Ser Met Leu Thr Tyr Asn Thr
          20          25          30
Trp Xaa Met Met His Lys Asn Ile Phe Ile Pro Xaa Xaa Pro Asp Tyr
          35          40          45
Asp Pro Glu Xaa Ala Leu Xaa Xaa Ser Leu Gln Pro Tyr Glu Ala
          50          55          60

```

<210> 7008  
<211> 345  
<212> PRT  
<213> Homo sapiens

004239" 054400

<400> 7008

Met Asn Trp Asn Glu Lys Pro Lys Ser Ala Thr Leu Pro Pro Leu Tyr  
1 5 10 15  
Pro Lys Ser Gln Pro Pro Phe Leu His Gln Ser Leu Ile Xaa Gln Ile  
20 25 30  
Thr Thr Thr Ser Gln Ser Ser Phe Ser Tyr Pro Gly Ser Asn Gln Glu  
35 40 45  
Ala Cys Met Tyr Pro Gly Asn Ser Asn Pro Ile Ser Gln Pro Leu Leu  
50 55 60  
Asn Ile Xaa Xaa Tyr Pro Gln Gln Ile Ser Val Ser Asp Met His Asn  
65 70 75 80  
Gly Thr Val Val Ala Ser His Thr Ser Val Glu Arg Xaa Thr Tyr Ala  
85 90 95  
Xaa Val Asn Gly Pro Xaa Gln Leu Thr Xaa Xaa Leu Gln Met Ser Ser  
100 105 110  
Gly Val Thr  
115

<210> 7009

<211> 435

<212> PRT

<213> Homo sapiens

<400> 7009

Met Gly Xaa Leu Ala Leu Xaa Ala Trp Leu Gln Pro Arg Tyr Arg Lys  
1 5 10 15  
Asn Ala Tyr Leu Phe Ile Tyr Tyr Leu Ile Gln Phe Cys Gly Xaa Ser  
20 25 30  
Trp Ile Phe Ala Asn Met Thr Val Arg Phe Phe Ser Phe Gly Lys Asp  
35 40 45  
Ser Met Val Asp Thr Phe Tyr Ala Ile Gly Leu Val Met Arg Leu Cys  
50 55 60  
Gln Ser Val Ser Leu Leu Glu Leu Leu His Ile Tyr Val Gly Ile Glu  
65 70 75 80  
Ser Asn His Leu Leu Pro Arg Phe Leu Gln Leu Thr Glu Arg Ile Ile  
85 90 95  
Ile Leu Phe Val Val Ile Thr Ser Arg Arg Gly Ser Pro Thr Arg Asn  
100 105 110  
Met Trp Cys Val Cys Tyr Ser Ser Leu Asp Leu Trp Ile Trp Leu Xaa  
115 120 125  
Thr Leu Ile Ala Xaa Xaa Ser Val Ile Gly Ile Ser Tyr Ala Val Leu  
130 135 140  
Thr  
145

<210> 7010

<211> 264

<212> PRT

<213> Homo sapiens

<400> 7010

Met Phe Asn Asp Thr Leu Glu Leu Phe Leu Ile Gly Asn Asp Ser Tyr  
1 5 10 15  
Pro Ile Pro Ile Ala Leu Lys Lys Lys Gly Ile Ala Trp Trp Thr Xaa

20 25 30  
 Lys Asn Val Lys Phe Arg Asn Pro Pro Gly Gly Asp Asn Leu Glu Glu  
 35 40 45  
 Arg Phe Lys Gly Thr Thr Lys Pro Val Asn Trp Leu Lys Pro Val Tyr  
 50 55 60  
 Met Leu Asp Ser Asp Pro Asp Asn Asn Gly Phe Ile Asn Glu Asp Phe  
 65 70 75 80  
 Ile Val Trp Met Arg Thr Ala Ala  
 85

<210> 7011  
 <211> 282  
 <212> PRT  
 <213> Homo sapiens

<400> 7011  
 Met Gly Arg Arg Arg Pro Ala Pro Phe Arg Ala Leu Val Arg Leu Ala  
 1 5 10 15  
 Cys Arg Met Ala Gly Gln Pro Gly His Met Pro His Gly Gly Ser Ser  
 20 25 30  
 Asn Asn Leu Cys His Thr Leu Gly Pro Val His Pro Pro Asp Pro Gln  
 35 40 45  
 Arg His Pro Asn Thr Leu Ser Phe Arg Cys Ser Leu Ala Asp Phe Gln  
 50 55 60  
 Ile Glu Lys Lys Ile Gly Arg Gly Gln Phe Ser Glu Val Tyr Lys Ala  
 65 70 75 80  
 Thr Cys Leu Leu Asp Arg Lys Thr Val Ala Leu Lys Lys Val  
 85 90

<210> 7012  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 7012  
 Met Leu Pro Gly Phe Leu His Arg Leu Leu Ala Glu Ile Arg Tyr Leu  
 1 5 10 15  
 Val Glu Lys Pro Lys Tyr Lys Lys Ala Leu Gly Thr Lys Thr Phe Arg  
 20 25 30  
 Ile His Thr Pro Pro Ala Lys Ala Asn Cys Val Ala Trp Leu Gly Gly  
 35 40 45  
 Ala Ile Phe Gly Ala Leu Gln Asp Ile Leu Gly Ser  
 50 55 60

<210> 7013  
 <211> 408  
 <212> PRT  
 <213> Homo sapiens

<400> 7013  
 Met Ala Asp Thr Pro Arg Asp Ala Gly Leu Lys Gln Ala Pro Ala Ser  
 1 5 10 15  
 Arg Asn Glu Lys Ala Pro Val Asp Phe Gly Tyr Val Gly Ile Asp Ser  
 20 25 30

Ile Leu Glu Gln Met Arg Arg Lys Ala Met Lys Gln Gly Phe Glu Phe  
 35 40 45  
 Asn Ile Met Val Val Gly Gln Ser Gly Leu Gly Lys Ser Thr Leu Ile  
 50 55 60  
 Asn Thr Leu Phe Lys Ser Lys Ile Ser Arg Lys Ser Val Gln Pro Thr  
 65 70 75 80  
 Ser Glu Glu Arg Ile Pro Lys Thr Ile Glu Ile Lys Ser Ile Thr His  
 85 90 95  
 Asp Ile Glu Glu Lys Gly Val Arg Met Lys Leu Thr Val Ile Asp Thr  
 100 105 110  
 Pro Gly Phe Gly Asp His Ile Asn Asn Glu Asn Cys Trp Gln Pro Ile  
 115 120 125  
 Met Xaa Phe Ile Asn Asp Gln His  
 130 135

<210> 7014  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 7014  
 Met Thr Lys Gly Glu Ala Glu Leu Leu His Gln Ser Gln Asp Phe Cys  
 1 5 10 15  
 Leu Ser Ile Asp His Phe Ser Ser Thr Leu Asn Pro Ala Ser Pro Ser  
 20 25 30  
 Gln His Ser Ala Thr Ile Thr Ser Pro Asp Ala Ser Asp Tyr Asn Ser  
 35 40 45  
 Phe Thr Arg Phe Thr Gln Ser Gly Pro  
 50 55

<210> 7015  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 7015  
 Met Thr His Ser Gly Lys Phe Tyr Arg Thr Thr Ser Leu Arg Gln Arg  
 1 5 10 15  
 Pro Val Arg Asn Asn Leu Phe Phe Arg Leu Pro Thr Thr Gln Thr Gln  
 20 25 30  
 Ser Gln Ser Thr Gly His Tyr His Pro Pro Pro Cys Arg Asn Asn Tyr  
 35 40 45  
 Pro Ala Ser  
 50

<210> 7016  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 7016  
 Met Asn Thr Asn Asp Phe Ser Phe Pro Asp Ser Arg Asn Thr Lys Lys  
 1 5 10 15  
 Lys Gln Leu Pro Gln Met Asp Arg Asn Arg Lys Tyr Pro Trp Leu Asn

	20							25					30						
Thr	Glu	Ala	Trp	Phe	Gln	Pro	Ser	Leu	Asp	Val	Gly	Arg	Asn	Ser	Xaa				
	35						40					45							
Pro	Leu	Ser	Tyr	Leu	Ile	Pro	Asn	Pro	Phe	Pro	Thr								
	50					55					60								

<210> 7017  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 7017  
 Met Glu Glu Glu Gln Ile Ile Lys Glu Asp Ser Cys His Arg Leu Ser  
 1 5 10 15  
 Pro Val Lys Gly Glu Phe His Gln Glu Phe Gln Pro Glu Pro Ser Leu  
 20 25 30  
 Leu Gly Asp Ser Thr Asn Ser Gly Glu Glu Arg Asp Gln Phe Thr Asp  
 35 40 45  
 Arg Ala Asp Gly Leu His Ser Glu Phe Met Asn Tyr Lys Ala Arg Ala  
 50 55 60  
 Glu Asp Cys Glu Glu Leu Leu Arg Ile Glu Glu Asp Val His Trp Gln  
 65 70 75 80  
 Thr Glu

<210> 7018  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7018  
 Met Val Leu Trp Ile Leu Trp Arg Pro Phe Gly Phe Ser Gly Arg Phe  
 1 5 10 15  
 Leu Lys Leu Glu Ser His Ser Ile Thr Glu Ser Lys Ser Leu Ile Pro  
 20 25 30  
 Val Ala Trp Thr Ser Leu Thr Gln Met Leu Leu Glu Ala Pro Gly Ile  
 35 40 45  
 Phe Leu Leu Gly Leu  
 50

<210> 7019  
 <211> 228  
 <212> PRT  
 <213> Homo sapiens

<400> 7019  
 Met Lys Ala Leu Phe Lys Lys Lys Thr Tyr Asp Glu Lys Lys Thr Tyr  
 1 5 10 15  
 Asp Gln Gln Lys Phe Asp Ser Glu Arg Ala Asp Gly Thr Ile Ser Ser  
 20 25 30  
 Glu Ile Lys Ser Ala Arg Gly Ser His His Leu Ser Ile Tyr Ala Glu  
 35 40 45  
 Asn Ser Leu Lys Ser Asp Gly Tyr His Lys Arg Thr Asp Arg Lys Ser  
 50 55 60  
 Arg Ile Ile Ala Lys Xaa Val Ser Thr Ser Lys Pro

65

70

75

&lt;210&gt; 7020

&lt;211&gt; 213

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7020

Met	Gly	Cys	Leu	Pro	Tyr	Pro	Leu	Gln	Asn	Lys	Asn	Leu	Pro	Asp	Pro
1				5					10					15	
Arg	Met	Leu	Lys	Ala	Phe	Phe	Ser	Ser	Glu	Leu	Gln	Lys	Ala	Cys	Lys
		20					25					30			
Thr	His	Gly	Gly	Trp	Gly	Val	Gly	Gly	Leu	Leu	Gln	Gly	Met	Glu	Leu
	35					40					45				
Ala	Val	Ile	Tyr	Phe	Asp	Phe	Ser	Tyr	Arg	Ser	Cys	Phe	Arg	Ala	Val
	50				55						60				
Gly	Thr	Phe	Ile	Pro	Trp	Ala									
65					70										

&lt;210&gt; 7021

&lt;211&gt; 258

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7021

Met	Gly	Ala	Ala	Val	Ala	Ser	Gly	Thr	Ala	Lys	Gly	Ala	Arg	Arg	Arg
1				5					10				15		
Arg	Gln	Asn	Asn	Ser	Ala	Lys	Gln	Ser	Trp	Leu	Leu	Arg	Leu	Phe	Glu
		20					25					30			
Ser	Lys	Leu	Phe	Asp	Ile	Ser	Met	Ala	Xaa	His	Thr	Cys	Ile	Thr	Pro
	35					40					45				
Arg	Ser	Leu	Glu	Tyr	Lys	Pro	Thr	Leu	Ala	Thr	Gly	Ser	Ser	Ala	Phe
	50				55						60				
Ala	Thr	Arg	Thr	Trp	Thr	Ser	Ile	Cys	Pro	Ser	Cys	Xaa	Xaa	Met	Tyr
65					70				75						80
Ile	His	Met	Asp	Glu	Asp										
				85											

&lt;210&gt; 7022

&lt;211&gt; 309

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7022

Met	Ile	Asp	Asp	Pro	Ser	Lys	Gly	Lys	Glu	Ala	Leu	Ala	Glu	Ser	Gly
1				5					10					15	
Gly	Leu	Val	Gly	Ala	Gly	Asn	Gly	Val	Phe	Phe	Pro	Ser	Thr	Glu	Ala
		20					25						30		
Phe	Trp	Asp	Gly	Gly	Ala	Val	Leu	Ala	Ser	Arg	Gly	Leu	Glu	Leu	Ala
	35					40					45				
Gly	Ser	Ser	Val	Pro	Cys	Cys	Glu	Arg	Phe	Gln	Asp	Phe	Asp	Leu	Ala
	50				55					60					
Gln	Pro	Ala	Ser	Leu	His	Pro	Thr	Cys	Ala	Thr	Ala	Phe	Ser	Gln	Cys
65					70					75					80

Asp Val Glu Cys Tyr Ser Met Ser Leu Tyr Phe Pro Leu Leu Phe Leu  
85 90 95  
Val Met Gly Thr Leu Glu Pro  
100

<210> 7023  
<211> 156  
<212> PRT  
<213> Homo sapiens

<400> 7023  
Met Gly Asp Asp Arg Xaa Phe Val Cys Asn Ala Pro Gly Cys Gly Gln  
1 5 10 15  
Arg Phe Thr Asn Glu Asp His Leu Ala Val His Lys His Lys His Glu  
20 25 30  
Met Thr Leu Lys Phe Gly Pro Ala Arg Thr Asp Ser Val Ile Ile Ala  
35 40 45  
Asp Gln Thr Pro  
50

<210> 7024  
<211> 306  
<212> PRT  
<213> Homo sapiens

<400> 7024  
Met Asp Gly Met Leu Met Val Phe Glu Gln Glu Ser Tyr Ala Phe Gly  
1 5 10 15  
Arg Phe Leu Pro Gly Phe Leu Leu Pro Gly Pro Leu Ala Tyr Ser Ser  
20 25 30  
Arg Thr Asp Ser Phe Leu Xaa Val Ser Ser Cys Gln Gln Val Glu Ser  
35 40 45  
Tyr Lys Tyr Gln Val Leu Ala Phe Ala Thr Asp Ala Asp Lys Arg Gln  
50 55 60  
Glu Thr Glu Gln Gln Lys Leu Gly Ser Gly Lys Arg Leu Val Val Asp  
65 70 75 80  
Trp Thr Leu Asn Ile Gly Glu Gln Ala Leu Asp Ile Cys Ile Val Ser  
85 90 95  
Phe Asn Gln Ser Ala Cys  
100

<210> 7025  
<211> 219  
<212> PRT  
<213> Homo sapiens

<400> 7025  
Met Lys Ile Leu Lys Lys Glu Val Ile Ile Ala Lys Asp Glu Val Ala  
1 5 10 15  
His Thr Leu Thr Glu Ser Arg Xaa Leu Lys Asn Thr Arg His Pro Phe  
20 25 30  
Leu Thr Ser Leu Lys Tyr Ser Phe Gln Thr Lys Asp Arg Leu Cys Phe  
35 40 45  
Val Met Glu Tyr Val Asn Gly Gly Glu Leu Phe Phe His Leu Ser Arg

50                      55                      60  
 Glu Arg Val Phe Ser Glu Asp Arg His  
 65                      70

<210> 7026  
 <211> 312  
 <212> PRT  
 <213> Homo sapiens

<400> 7026  
 Met Ile Tyr Glu Glu Asp Ala Glu Glu Trp Ala Leu Tyr Leu Thr Glu  
 1                      5                      10                      15  
 Val Phe Leu His Val Val Lys Arg Glu Ala Ile Leu Leu Tyr Arg Leu  
                     20                      25                      30  
 Glu Asn Phe Ser Phe Arg His Leu Glu Leu Leu Asn Leu Thr Ser Tyr  
                     35                      40                      45  
 Lys Cys Lys Leu Leu Ile Leu Ser Asn Ser Leu Leu Arg Asp Leu Thr  
                     50                      55                      60  
 Pro Lys Lys Cys Gln Phe Leu Glu Lys Ile Leu His Ser Pro Lys Ser  
 65                      70                      75                      80  
 Val Val Thr Leu Leu Cys Gly Val Lys Ser Ser Asp Gln Leu Tyr Glu  
                     85                      90                      95  
 Leu Leu Asn Ile Ser Gln Ser Arg  
                     100

<210> 7027  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens

<400> 7027  
 Met Phe Val Xaa Glu Ser Leu Gln Leu Arg Glu Gln Gln Gln Gln Gln  
 1                      5                      10                      15  
 Gln Gln Gln Gln Gln Lys His Glu Asp Gly Xaa Ser Asn Gly Thr Phe  
                     20                      25                      30  
 Phe Val Tyr His Ala Ile Tyr Leu Glu Glu Leu Thr Ala Val Glu Leu  
                     35                      40                      45  
 Thr Xaa Lys Ile Ala Gln Leu Phe Ser Ile Ser Pro Cys Gln Ile Ser  
                     50                      55                      60  
 Gln Ile Tyr Lys Gln Gly Pro Thr Gly Ile His Val Leu Ile Ser Asp  
 65                      70                      75                      80

<210> 7028  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 7028  
 Met Leu Arg Lys Gln Pro Arg Glu Met Asn Thr Ala Glu Asp Trp Gly  
 1                      5                      10                      15  
 Leu Ile Leu Asp Ile Cys Asp Lys Val Gly Gln Ser Arg Thr Gly Pro  
                     20                      25                      30  
 Lys Asp Cys Leu Arg Ser Ile Met Arg Arg Val Asn His Lys Asp Pro  
                     35                      40                      45



His Val Xaa Met Gln Ala Leu Thr Leu Leu Gly Ala Cys Val Ser  
 50 55 60

<210> 7029  
 <211> 315  
 <212> PRT  
 <213> Homo sapiens

<400> 7029  
 Met Asp Glu Ala Gln Ile Ala Ala Val Cys Xaa Xaa Ser Leu Gln Ala  
 1 5 10 15  
 Leu Glu Phe Leu His Ala Asn Gln Val Ile His Arg Asp Ile Lys Ser  
 20 25 30  
 Asp Ser Val Leu Leu Gly Met Glu Gly Ser Val Lys Leu Thr Asp Phe  
 35 40 45  
 Gly Phe Cys Ala Gln Ile Thr Pro Glu Gln Ser Lys Arg Ser Thr Val  
 50 55 60  
 Val Arg Thr Pro Tyr Trp Met Ala Pro Glu Val Val Thr Arg Lys Ala  
 65 70 75 80  
 Tyr Gly Pro Lys Val Asn Val Trp Ser Leu Gly Ile Met Ala Thr Glu  
 85 90 95  
 Met Val Glu Gly Glu Pro Pro Tyr Pro  
 100 105

<210> 7030  
 <211> 441  
 <212> PRT  
 <213> Homo sapiens

<400> 7030  
 Met Asp Glu Ser Val Lys Glu Lys Tyr Ala Gly Gln Asp Ile Val Phe  
 1 5 10 15  
 Lys Cys Leu Gly Glu Asn Ile Leu Gln Asn Ala Phe Asp Gly Tyr Asn  
 20 25 30  
 Ala Cys Ile Phe Ala Tyr Gly Gln Thr Gly Ser Gly Lys Ser Tyr Thr  
 35 40 45  
 Met Met Gly Thr Ala Gly Xaa Pro Gly Leu Ile Pro Arg Leu Cys Ser  
 50 55 60  
 Gly Leu Phe Glu Arg Thr Gln Lys Glu Glu Asn Glu Glu Gln Ser Phe  
 65 70 75 80  
 Lys Val Glu Val Ser Tyr Met Glu Ile Tyr Asn Glu Lys Val Arg Asp  
 85 90 95  
 Leu Leu Asp Pro Lys Gly Ser Arg Gln Thr Leu Lys Val Arg Glu His  
 100 105 110  
 Ser Val Leu Gly Pro Tyr Val Asp Gly Leu Ser Lys Leu Ala Val Thr  
 115 120 125  
 Ser Tyr Lys Asp Ile Glu Ser Leu Met Ser Glu Gly Asn Lys Ser Arg  
 130 135 140  
 Thr Val Ala  
 145

<210> 7031  
 <211> 210  
 <212> PRT

<213> Homo sapiens

<400> 7031

Met Lys Ile Asn Ser Arg Trp Ile Lys Asp Leu Asn Val Arg Pro Gln  
1 5 10 15  
Thr Val Lys Ile Leu Glu Glu Asn Leu Gly Asn Thr Leu Ile Asn Ile  
20 25 30  
Ser Leu Gly Lys Glu Leu Leu Ala Lys Ser Pro Lys Ala Ile Ala Thr  
35 40 45  
Xaa Gln Xaa Leu Ala Ser Gly Asp Leu Ile Lys Ala Leu Cys Thr Ala  
50 55 60  
Lys Asp Thr Ile Asn Arg  
65 70

<210> 7032

<211> 234

<212> PRT

<213> Homo sapiens

<400> 7032

Met Lys Thr Leu Pro Ala Met Leu Gly Thr Gly Lys Leu Phe Trp Val  
1 5 10 15  
Phe Phe Leu Ile Pro Tyr Leu Asp Ile Trp Asn Ile His Gly Lys Glu  
20 25 30  
Ser Cys Asp Val Gln Leu Tyr Ile Lys Arg Gln Ser Glu His Ser Ile  
35 40 45  
Leu Ala Gly Asp Pro Phe Glu Leu Glu Cys Pro Val Lys Tyr Cys Ala  
50 55 60  
Asn Arg Pro His Val Thr Trp Cys Lys Leu Asn Gly Thr Thr  
65 70 75

<210> 7033

<211> 186

<212> PRT

<213> Homo sapiens

<400> 7033

Met Asp Lys Phe Leu Asp Thr Tyr Thr Leu Pro Arg Leu Asn Gln Glu  
1 5 10 15  
Glu Ala Glu Ser Leu Asn Arg Pro Ile Thr Gly Ser Glu Ile Val Ala  
20 25 30  
Ile Ile Asn Ser Leu Pro Thr Lys Lys Ser Ala Gly Leu Asp Gly Phe  
35 40 45  
Thr Ala Glu Leu Tyr Xaa Arg Xaa Xaa Glu Glu Leu Val Ala  
50 55 60

<210> 7034

<211> 252

<212> PRT

<213> Homo sapiens

<400> 7034

Met Glu Asn Ile Lys Ala Thr Gln Leu Leu Glu Gly Leu Val Gln Glu  
1 5 10 15

00513996.032400

Leu Gln Lys Lys Ala Glu His Gln Val Gly Glu Asp Gly Phe Leu Leu  
 20 25 30  
 Lys Ile Lys Lys Leu Gly His Tyr Ala Thr Xaa Leu Gln Asn Thr Tyr Asp  
 35 40 45  
 Arg Cys Pro Met Glu Leu Val Arg Cys Ile Arg His Ile Leu Tyr Asn  
 50 55 60  
 Glu Gln Arg Leu Val Arg Glu Ala Asn Asn Gly Ser Ser Pro Ala Gly  
 65 70 75 80  
 Ser Leu Ala Asp

<210> 7035  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 7035  
 Met Ser Leu Cys Pro Pro Leu Ser Val Arg Tyr Glu Ser Pro Pro Ala  
 1 5 10 15  
 Ser Pro Cys Gln Val Arg Val Ser Ile Cys Phe Leu Leu Asp Met Asn  
 20 25 30  
 Ser Ser Cys Leu Cys Leu Leu Gly Ala Cys Pro Tyr Pro Pro Ser Leu  
 35 40 45  
 Pro Val Gly Tyr Val Phe Ser Pro Ala Ile  
 50 55

<210> 7036  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 7036  
 Met Leu Glu Ser Glu Asp Ala Glu Lys Val Leu Gln Val Cys Leu Asp  
 1 5 10 15  
 Glu Ile Thr Phe Trp Thr Cys Ser Arg Ser Phe Ser Tyr Leu Val Pro  
 20 25 30  
 Met Phe Asp Gly Glu Asn Gly Leu Ser Ser Tyr Cys Leu Trp Gln Lys  
 35 40 45  
 Val Leu Gly Leu Ile His Ser Arg  
 50 55

<210> 7037  
 <211> 243  
 <212> PRT  
 <213> Homo sapiens

<400> 7037  
 Met Leu Lys Asn Lys Gly His Ser Ser Lys Lys Asp Asn Leu Ala Val  
 1 5 10 15  
 Asn Ala Val Ala Leu Gln Asp His Ile Leu His Asp Leu Gln Leu Arg  
 20 25 30  
 Asn Leu Ser Val Ala Asp His Ser Lys Thr Gln Val Gln Lys Xaa Glu  
 35 40 45  
 Asn Lys Ser Leu Lys Arg Asp Thr Lys Ala Ile Ile Asp Thr Gly Leu  
 50 55 60

Lys Xaa Thr Thr Gln Cys Pro Lys Leu Glu Asp Ser Glu Lys Glu Tyr  
 65 70 75 80  
 Val

<210> 7038  
 <211> 342  
 <212> PRT  
 <213> Homo sapiens

<400> 7038  
 Met Asp Asp Thr Asn Ser Glu Gln Gln Phe Arg Val Phe Arg Asp Phe  
 1 5 10 15  
 Asp Phe Leu Asp Val Glu Leu Glu Asp Gly Glu Gly Glu Ser Met Asp  
 20 25 30  
 Asn Phe Asn Trp Gly Val Arg Arg Arg Ser Leu Asp Ser Leu Asp Lys  
 35 40 45  
 Cys Asp Met Gln Ile Leu Glu Glu Arg Gln Leu Ser Gly Ser Thr Pro  
 50 55 60  
 Ser Leu Asn Lys Met His His Glu Asp Ser Asp Glu Ser Ser Glu Glu  
 65 70 75 80  
 Glu Asp Leu Thr Ala Ser Gln Ile Leu Glu His Ser Asp Leu Ile Met  
 85 90 95  
 Thr Leu Ser Pro Ser Glu Xaa Thr Asn Pro Met Glu Leu Leu Thr Thr  
 100 105 110  
 Ala Cys

<210> 7039  
 <211> 276  
 <212> PRT  
 <213> Homo sapiens

<400> 7039  
 Met His Gly Ala Gly Leu Thr Tyr Leu Leu Phe Leu Pro Asp Trp Ala  
 1 5 10 15  
 Ala Val Phe Glu Leu Tyr Asn Cys Glu Asp Glu Arg Cys Tyr Leu Asp  
 20 25 30  
 Leu Ala Arg Leu Arg Gly Val His Tyr Ile Thr Trp Arg Arg Gln Asn  
 35 40 45  
 Lys Val Phe Pro Gln Asp Lys Gly His His Pro Thr Leu Gly Glu His  
 50 55 60  
 Pro Lys Phe Thr Asn Tyr Ser Phe Asp Val Glu Glu Phe Met Tyr Leu  
 65 70 75 80  
 Val Leu Gln Ala Ala Asp His Val Leu Gln His Pro  
 85 90

<210> 7040  
 <211> 243  
 <212> PRT  
 <213> Homo sapiens

<400> 7040  
 Met Ser His Phe Gln His Cys Lys Lys Cys Ala Ser Leu Val Ser Val  
 1 5 10 15  
 Ser Lys Ser Ser Leu Thr Ala Glu Ala Tyr Leu Gln Ser Arg Glu Arg





Met Asp Lys Asp Ala Lys Lys Arg Ile His Asn Phe Ser Val Ile Asn  
 1 5 10 15  
 Pro Val Pro Gly Gln Ala Ile Thr Gln Ile Phe Ala Val Asp Asn Arg  
 20 25 30  
 Glu Asp Leu Gln Lys Trp Met Glu Ala Phe Trp Gln His Phe Phe Asp  
 35 40 45  
 Leu Ser Gln Trp Lys His Cys Cys Glu Glu Leu Met Lys Ile Glu Ile  
 50 55 60  
 Met Ser Pro  
 65

<210> 7047  
 <211> 234  
 <212> PRT  
 <213> Homo sapiens

<400> 7047  
 Met Leu Phe Pro Gly Lys Cys Lys Pro Lys Asp Val Val Ser Asp Leu  
 1 5 10 15  
 Ile Leu Arg Glu Cys Asp His Glu Asp Thr Phe Pro Thr Trp Ser Lys  
 20 25 30  
 Gly Ala Gly Ile Gly Glu Xaa Val Tyr Lys Ala Ser Asn Thr Met Ala  
 35 40 45  
 Leu Gly Val Thr Ser Ser Val Pro Cys Leu Pro Leu Pro Asn Ile Leu  
 50 55 60  
 Leu Met Ala Ser Val Lys Trp His Gln Gly Gln Asn Gln Thr  
 65 70 75

<210> 7048  
 <211> 252  
 <212> PRT  
 <213> Homo sapiens

<400> 7048  
 Met Phe Arg Asp Phe Gly Arg Arg Leu Gln Arg Asp Leu Lys Arg Val  
 1 5 10 15  
 Val Asp Ala Arg Leu Arg Leu Ser Glu Glu Leu Ser Gly Gly Arg Ile  
 20 25 30  
 Lys Pro Lys Pro Val Glu Val Gln Val Val Thr His His Met Gln Arg  
 35 40 45  
 Tyr Ala Val Trp Phe Gly Gly Ser Met Leu Ala Ser Thr Pro Glu Phe  
 50 55 60  
 Phe Gln Val Cys His Thr Lys Lys Asp Tyr Glu Glu Tyr Gly Pro Ser  
 65 70 75 80  
 Ile Cys Arg Gln

<210> 7049  
 <211> 225  
 <212> PRT  
 <213> Homo sapiens

<400> 7049  
 Met Ala Gln Gln Gln Gln Glu Leu Gln Gln Lys Glu Gln Glu Leu Lys  
 1 5 10 15

Asn His Gln Glu Glu Glu Gln Gln Ser Glu Glu Lys Leu Gln Pro His  
 20 25 30  
 Lys Lys Leu Asn Val Pro Gln Pro Pro Val Ala Lys Leu Trp Thr Ser  
 35 40 45  
 Gln Glu Gln Pro Gln Pro Ser Gln Gln Gln Pro Ser Val Gln Pro Pro  
 50 55 60  
 Ser Gln Pro Pro Pro Gln Pro Ser Thr Leu Pro  
 65 70 75

<210> 7050  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7050  
 Met Gly Asn Ile Leu Thr Cys Xaa Ile Asn Ser His Cys Gly Trp Pro  
 1 5 10 15  
 Arg Gly Lys Asp Ala Pro Cys Tyr Glu Ser Asp Thr Asp Ile Tyr Glu  
 20 25 30  
 Thr Val Ala Ala Ala Thr Ser Glu Ser Thr Thr Val Glu Pro Gly Lys  
 35 40 45  
 Leu Asp Val Gly  
 50

<210> 7051  
 <211> 390  
 <212> PRT  
 <213> Homo sapiens

<400> 7051  
 Met Cys Phe Ile Arg Asp Leu Lys Ile Leu Ala Arg Leu Met Thr Ala  
 1 5 10 15  
 Lys Phe Leu His Thr Glu Ile Arg Glu Lys Gly Gly Ala Tyr Gly Gly  
 20 25 30  
 Gly Ala Lys Leu Ser His Asn Gly Ile Phe Thr Leu Tyr Ser Tyr Arg  
 35 40 45  
 Asp Pro Asn Thr Ile Glu Thr Leu Gln Ser Phe Gly Lys Ala Val Asp  
 50 55 60  
 Trp Ala Lys Ser Gly Lys Phe Thr Gln Gln Asp Ile Asp Glu Xaa Lys  
 65 70 75 80  
 Leu Ser Val Xaa Ser Thr Ile Asp Ala Pro Val Ala Pro Ser Asp Lys  
 85 90 95  
 Gly Glu Gln Glu Pro Gly Val Glu Ala Gln Gly Pro Gly Leu Leu Leu  
 100 105 110  
 Trp Ile Xaa Thr Asp Thr Trp Gln Ile Trp Asn Gly Pro Tyr Ser Trp  
 115 120 125  
 Asn Arg  
 130

<210> 7052  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens



<400> 7052

Met	Pro	Val	Ile	Pro	Xaa	Leu	Trp	Glu	Ala	Glu	Val	Ala	Gly	Ser	Phe
1			5					10					15		
Gln	Pro	Arg	Ser	Ser	Arg	Pro	Ala	Trp	Ala	Thr	Gln	Pro	Pro	Pro	Lys
		20						25					30		
Glu	Asn	Met	Arg	Pro	Leu	His	Ile	Trp	Asn	Ser	Arg	Asn	Thr	Gly	Cys
	35					40						45			
Ser	Asn	Gln	Pro	Pro	Val	Pro	Arg	Leu	Ala	Pro	Met				
	50					55					60				

<210> 7053

<211> 198

<212> PRT

<213> Homo sapiens

<400> 7053

Met	Gln	Trp	His	Val	Ser	Val	Ile	Lys	Val	Pro	Val	Met	Tyr	Leu	Asp
1			5					10					15		
Asp	Val	Thr	Gln	Xaa	Gln	Ser	Leu	Lys	Glu	Val	Ile	Thr	Asp	Phe	Xaa
		20						25					30		
Xaa	Gln	Thr	His	Lys	Leu	Xaa	Leu	Tyr	Leu	Cys	Xaa	Xaa	Met	Lys	Val
	35					40						45			
Gly	Thr	Lys	Gly	Pro	Gly	Asp	Asn	Leu	His	Gln	Xaa	Ala	Pro	Xaa	Leu
	50					55					60				
Leu	Leu														
65															

<210> 7054

<211> 360

<212> PRT

<213> Homo sapiens

<400> 7054

Met	Ala	Leu	Leu	Thr	Pro	Gln	Gly	Val	Lys	Glu	Val	Phe	Gln	Phe	Gln
1			5					10					15		
Arg	Pro	Gln	Gly	Arg	Glu	Arg	Leu	Arg	Leu	Leu	Asn	Trp	Xaa	Glu	
		20						25				30			
Phe	Asp	Glu	Gln	Arg	Ala	Arg	Arg	Ser	Ile	Leu	Leu	Asp	Thr	Leu	Tyr
	35					40						45			
Glu	Ser	Ile	Ile	Phe	Ala	Val	Gly	Lys	Gly	Phe	Pro	Trp	Val	Glu	Val
	50					55					60				
Ala	Gln	Val	Val	Lys	Phe	Thr	Glu	Glu	Leu	Leu	Arg	Glu	Thr	Lys	Gly
65				70				75						80	
Cys	Ser	Ile	Thr	Glu	Ala	Val	Thr	Ile	Leu	Gly	Asn	Lys	Leu	Arg	Asp
		85						90					95		
Tyr	Arg	Gly	His	Phe	Asn	Thr	Thr	His	Leu	Leu	Ala	Leu	Cys	Asp	Tyr
		100					105						110		
Phe	His	His	Thr	Phe	Ile	Arg	His								
		115					120								

<210> 7055

<211> 330

<212> PRT

<213> Homo sapiens

004220" 6867560

<400> 7055

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Met Glu Pro Glu Arg Glu Gly Thr Glu Arg His Pro Arg Lys Val Arg
1          5          10          15
Glu Ser Arg Gln Ala Pro Asn Lys Leu Val Gly Ala Ala Glu Ala Met
          20          25          30
Lys Ala Gly Trp Asp Leu Glu Glu Ser Gln Pro Glu Ala Lys Lys Ala
          35          40          45
Arg Leu Ser Thr Ile Leu Phe Thr Asp Asn Cys Glu Val Thr His Asp
          50          55          60
Gln Leu Cys Glu Leu Leu Lys Tyr Ala Val Leu Gly Lys Ser Asn Val
65          70          75          80
Pro Lys Pro Ser Trp Cys Gln Leu Phe His Gln Asn His Leu Asn Asn
          85          90          95
Val Val Val Phe Val Leu Gln Gly Met Ser Gln Leu His Phe
          100          105          110

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<210> 7056

<211> 153

<212> PRT

<213> Homo sapiens

<400> 7056

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Met Leu Lys Gly Ile Leu Asn Arg Leu Lys Tyr Phe Thr Trp Val Met
1          5          10          15
Leu Phe Ser Ile Ile Phe Thr Gly Ser Leu Glu Val Glu Lys Phe Ile
          20          25          30
Ser Arg Glu Phe Asn Arg Arg Xaa Ala Gly Asn Val Val Glu Met Cys
          35          40          45
Gly Val Arg
          50

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<210> 7057

<211> 153

<212> PRT

<213> Homo sapiens

<400> 7057

```

Met Leu Cys Ala Asn Gly Ile Gly Arg Asn Gly Ser Met His Tyr Ala
1          5          10          15
His Leu Ser Ser Ala Gln Thr Gln Ile Ile Glu Thr Ser Glu Glu Lys
          20          25          30
Phe Lys Leu Ser Tyr Thr Arg Ile Ser Leu Arg Xaa Glu Pro Ser Cys
          35          40          45
His Pro Gly
          50

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<210> 7058

<211> 156

<212> PRT

<213> Homo sapiens

<400> 7058

```

Met Val Thr Glu Glu Lys Lys Val Ser Met Gly Lys Pro Asp Pro Leu

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004220" 865450

1 5 10 15  
Arg Asp Ser Gly Thr Asp Asp Gln Glu Glu Glu Pro Leu Glu Arg Asp  
20 25 30  
Phe Asp Arg Phe Ile Gly Ala Thr Ala Asn Phe Ser Arg Phe Thr Leu  
35 40 45  
Trp Gly Leu Glu  
50

<210> 7059  
<211> 372  
<212> PRT  
<213> Homo sapiens

<400> 7059  
Met Thr Arg Leu Cys Leu Pro Arg Pro Glu Ala Arg Glu Asp Pro Ile  
1 5 10 15  
Pro Val Pro Pro Arg Gly Leu Gly Ala Gly Glu Gly Ser Gly Ser Pro  
20 25 30  
Val Arg Pro Pro Val Ser Thr Trp Gly Pro Ser Trp Ala Gln Leu Leu  
35 40 45  
Asp Ser Val Leu Trp Leu Gly Ala Leu Gly Leu Thr Ile Gln Ala Val  
50 55 60  
Phe Ser Thr Thr Gly Pro Ala Leu Leu Leu Leu Val Ser Phe Leu  
65 70 75 80  
Thr Phe Asp Leu Leu His Arg Pro Ala Val Thr Leu Cys His Ser Ala  
85 90 95  
Asn Phe Ser Pro Gly Ala Arg Val Arg Gly Pro Val Lys Val Leu Asp  
100 105 110  
Ser Arg Arg Leu Tyr Ser Cys Lys Trp Val Gln Ser  
115 120

<210> 7060  
<211> 327  
<212> PRT  
<213> Homo sapiens

<400> 7060  
Met Ser Gly Ser Lys Lys Lys Lys Val Thr Lys Ala Glu Arg Leu Lys  
1 5 10 15  
Leu Leu Gln Glu Glu Glu Glu Arg Arg Leu Lys Glu Glu Glu Glu Ala  
20 25 30  
Arg Leu Lys Tyr Glu Lys Glu Glu Met Glu Arg Leu Glu Ile Gln Arg  
35 40 45  
Ile Glu Lys Glu Lys Trp His Arg Leu Glu Ala Lys Asp Leu Glu Arg  
50 55 60  
Arg Asn Xaa Glu Leu Glu Glu Leu Tyr Leu Leu Glu Arg Cys Phe Pro  
65 70 75 80  
Glu Ala Glu Lys Leu Xaa Gln Glu Thr Xaa Leu Leu Ser Gln Trp Lys  
85 90 95  
His Tyr Ile Gln Cys Asp Gly Ser Pro Asp Pro Ser Val  
100 105

<210> 7061  
<211> 165

<212> PRT  
<213> Homo sapiens

<400> 7061  
Met Glu Ile His Thr Trp Gln Arg Ala Glu Ala Ser His Gln Gln Pro  
1 5 10 15  
His Glu Gly Ala Arg Val Gly Val Ala Pro Pro Ala Pro Val Glu Pro  
20 25 30  
Ser Asp Val Thr Asp Leu Ala Ala Asp Ser Leu Gln Ser His Glu Thr  
35 40 45  
Leu Ser Gln Asn His Pro Ala  
50 55

<210> 7062  
<211> 204  
<212> PRT  
<213> Homo sapiens

<400> 7062  
Met Cys Val Ser Cys Val Cys Val Ser Val Trp Val Ser Thr Asp Phe  
1 5 10 15  
Arg Thr Ala Ala Leu Glu His Leu Ser Gly Tyr Gly Gly Arg Lys Arg  
20 25 30  
Leu Lys Arg Gly Leu Phe Ser Arg Thr Thr Arg Ile Pro Gln Asp Phe  
35 40 45  
Pro Ala Pro Val Ser Pro Ser Ser Pro Arg Ser Leu Ala Pro Ser Gly  
50 55 60  
Val Ser Asp Pro  
65

<210> 7063  
<211> 156  
<212> PRT  
<213> Homo sapiens

<400> 7063  
Met Pro Val Ile Pro Ala Leu Trp Glu Ala Glu Gly Gly Gly Ser Leu  
1 5 10 15  
Glu Val Gly Ser Leu Arg Pro Ala Trp Pro Ile Pro Pro Ser Leu Leu  
20 25 30  
Lys Ile Gln Lys Leu Ala Gly His Gly Gly Ala Cys Leu Trp Ser Arg  
35 40 45  
Leu Leu Gly Trp  
50

<210> 7064  
<211> 177  
<212> PRT  
<213> Homo sapiens

<400> 7064  
Met Leu Asp Ala Ala Val Ile Lys Met Glu Gly Gly Thr Xaa Asn Asp  
1 5 10 15  
Leu Arg Ile Leu Glu Gln Glu Glu Glu Glu Gln Ala Gly Lys Pro

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20 25 30  
 Gly Glu Pro Ser Lys Lys Glu Glu Gly Arg Ala Gly Ala Gly Leu Gly  
 35 40 45  
 Asp Gly Glu Arg Lys Thr Asn Asp Lys Glu Glu  
 50 55

<210> 7065  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7065  
 Met Phe Asn Arg Ala Val Ser Arg Leu Ser Arg Lys Arg Pro Pro Ser  
 1 5 10 15  
 Asp Ile His Asp Ser Asp Gly Ser Xaa Ser Ser Ser His Gln Ser Leu  
 20 25 30  
 Lys Ser Thr Ala Lys Trp Ala Ala Ser Leu Glu Asn Leu Leu Glu Asp  
 35 40 45  
 Pro Glu Gly Val  
 50

<210> 7066  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 7066  
 Met Tyr Arg Thr Leu His Leu Ser Thr Glu Gln Val Ala Ala Phe Cys  
 1 5 10 15  
 Arg Ser Leu His Glu Met Asn Pro Ser Asp Gln Ser Pro Ser Pro Gln  
 20 25 30  
 Asp Ser Thr Gly Pro Gln Leu Ala Thr Met Arg Gln Leu Ser Asp Ala  
 35 40 45  
 Asp Lys Leu  
 50

<210> 7067  
 <211> 276  
 <212> PRT  
 <213> Homo sapiens

<400> 7067  
 Met Asn Cys Phe Gln Gly Thr Asn Ala Ser Ala Leu Glu Lys Asp Ile  
 1 5 10 15  
 Gly Pro Glu Gln Phe Pro Ile Asn Glu His Tyr Phe Gly Leu Val Asn  
 20 25 30  
 Phe Gly Asn Thr Cys Tyr Cys Asn Ser Val Leu Gln Ala Leu Tyr Ser  
 35 40 45  
 Cys Arg Pro Phe Arg Glu Asn Val Leu Ala Tyr Lys Ala Gln Gln Lys  
 50 55 60  
 Lys Lys Glu Asn Leu Leu Thr Cys Leu Ala Asp Leu Phe His Ser Ile  
 65 70 75 80  
 Ala Thr Xaa Lys Lys Lys Val Xaa Ser Ser His Leu  
 85 90

<210> 7068  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 7068  
 Met Glu Ser His Ser Val Ala Gln Ala Gly Val Gln Trp His Glu Leu  
 1 5 10 15  
 Gly Ser Leu Gln Pro Pro Pro Pro Arg Phe Lys Gln Phe Ser Cys Leu  
 20 25 30  
 Ser Phe Ala His Ser Trp Asn Cys Gly Arg Ala Pro Pro Cys Leu Ala  
 35 40 45  
 Asn Phe Phe Phe Phe Phe  
 50

<210> 7069  
 <211> 222  
 <212> PRT  
 <213> Homo sapiens

<400> 7069  
 Met Asn Ile Arg Asn Ala Gln Pro Asp Asp Leu Met Asn Met Gln His  
 1 5 10 15  
 Cys Asn Leu Leu Cys Leu Pro Glu Asn Tyr Gln Met Lys Tyr Tyr Leu  
 20 25 30  
 Tyr His Gly Leu Ser Trp Pro Gln Leu Ser Tyr Ile Ala Glu Asp Glu  
 35 40 45  
 Asp Gly Lys Ile Val Gly Tyr Val Leu Ala Lys Met Glu Glu Glu Pro  
 50 55 60  
 Asp Asp Val Pro His Gly His Ile Thr Ser  
 65 70

<210> 7070  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7070  
 Met Ala Asp Lys Glu Val Gly Asn Lys Glu Asp Ala Xaa Lys Glu Val  
 1 5 10 15  
 Ala Ile Ser Thr Phe Ser Ser Ser Asn Xaa Val Ser Cys Pro Leu Cys  
 20 25 30  
 Asp Gln Cys Phe Pro Pro Thr Lys Ile Glu Arg His Ala Met Tyr Cys  
 35 40 45  
 Asn Gly Leu Met Glu Glu Asp Thr Val Leu Thr Arg Ser Gln  
 50 55 60

<210> 7071  
 <211> 270  
 <212> PRT  
 <213> Homo sapiens

<400> 7071

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Met Ser Thr Met Gly Asn Glu Ala Ser Tyr Pro Ala Glu Met Cys Ser  
 1 5 10 15  
 His Phe Asp Asn Asp Glu Ile Lys Arg Leu Gly Arg Arg Phe Lys Lys  
 20 25 30  
 Leu Asp Leu Asp Lys Ser Gly Ser Leu Ser Val Glu Glu Phe Met Ser  
 35 40 45  
 Leu Pro Glu Leu Arg His Asn Pro Leu Val Arg Arg Val Ile Asp Val  
 50 55 60  
 Phe Asp Thr Asp Gly Asp Gly Glu Val Asp Phe Lys Glu Phe Ile Leu  
 65 70 75 80  
 Gly Thr Ser Gln Phe Ser Val Lys Gly Asp  
 85 90

<210> 7072  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 7072  
 Met Ile Pro Ala Ser Ala Lys Ala Pro His Lys Gln Pro His Lys Gln  
 1 5 10 15  
 Ser Ile Ser Ile Gly Arg Gly Thr Arg Lys Arg Asp Glu Asp Ser Gly  
 20 25 30  
 Thr Glu Val Gly Glu Gly Thr Asp Glu Trp Ala Gln Ser Lys Ala Thr  
 35 40 45  
 Val Arg Xaa Pro Asp Gln Leu Xaa Leu Thr Asp Ala Glu Leu Lys Glu  
 50 55 60  
 Glu Phe Thr Arg Ile Leu  
 65 70

<210> 7073  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7073  
 Met Gln Val Leu His Trp Leu Leu Gln Leu Ala Gly Ile Leu Lys Lys  
 1 5 10 15  
 Gly Lys His Gln Arg Gln Thr His Val Thr Thr Ser Leu Glu Gln Lys  
 20 25 30  
 Phe Ala Pro Asn Phe Glu Phe Thr Ile Phe Pro Phe Lys Phe Gln Lys  
 35 40 45  
 Leu Lys Lys Ser Ala  
 50

<210> 7074  
 <211> 390  
 <212> PRT  
 <213> Homo sapiens

<400> 7074  
 Met Xaa Pro Leu Lys Ala Thr Ala Thr Thr Ser Gln Pro Val Leu Thr  
 1 5 10 15  
 Ile Gln Gln Ile Glu Thr Ile Phe Tyr Lys Ile Gln Asp Ile Tyr Glu

20 25 30  
 Ile His Lys Glu Phe Tyr Asp Asn Leu Cys Pro Lys Val Gln Gln Trp  
 35 40 45  
 Asp Ser Gln Val Thr Met Gly His Leu Phe Gln Lys Leu Ala Ser Gln  
 50 55 60  
 Leu Gly Val Tyr Lys Ala Phe Val Asp Asn Tyr Lys Val Ala Leu Glu  
 65 70 75 80  
 Thr Ala Glu Lys Cys Ser Gln Ser Asn Asn Gln Phe Gln Lys Ile Ser  
 85 90 95  
 Glu Glu Leu Lys Val Lys Gly Pro Lys Asp Ser Lys Asp Ser Xaa Thr  
 100 105 110  
 Ser Val Thr Met Glu Ala Leu Leu Tyr Lys Pro Ile Asp Arg Val Thr  
 115 120 125  
 Arg Ser  
 130

<210> 7075  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 7075  
 Met Glu Tyr Ile Tyr Ile Tyr Phe Ile Leu Phe Tyr Phe Phe Glu Met  
 1 5 10 15  
 Asn Ser Cys Cys Phe Ala Gln Ala Gly Val Gln Trp Arg Asp Leu Gly  
 20 25 30  
 Ser Leu Gln Pro Pro Ser Pro Gly Phe Lys Gln Phe Ser Cys Leu Ser  
 35 40 45  
 Leu Leu Ser Ser Trp Asp Tyr Arg His Pro Pro Pro  
 50 55 60

<210> 7076  
 <211> 360  
 <212> PRT  
 <213> Homo sapiens

<400> 7076  
 Met Pro Lys Lys Leu Gly Pro Lys Ser Gln Arg Gln Arg Gly Ala Val  
 1 5 10 15  
 Ala Pro Leu Thr Gln Val Gln Gln Ala Ala Cys Ser Pro Thr Tyr Lys  
 20 25 30  
 Gln Ala Lys Arg Asn Ala Arg Ser Tyr Gln Gly Arg Arg Cys Arg Arg  
 35 40 45  
 Arg Cys Ser Gln Asn Thr Thr Ser Arg Val Pro Ser Gln Leu Gln Ala  
 50 55 60  
 Val Asp Ser Ser Ser Ala Ser Cys Arg Thr Tyr Lys Asn Ser Glu Glu  
 65 70 75 80  
 Leu Arg Ser Arg Ile Val Ser Gly Ile Ile Thr Pro Ile His Glu Gln  
 85 90 95  
 Trp Glu Lys Ala Asn Val Ser Ser Xaa Thr Gly Ser Ser Xaa Cys Xaa  
 100 105 110  
 Arg Gln Arg Gly Gly Pro Xaa Arg  
 115 120



<210> 7077  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 7077  
 Met Ala Asn Met Ala Ser Ser Ser Asn Ser His Phe Ile Tyr Asn Glu  
 1 5 10 15  
 Asn Leu Leu Leu His Val Ala Ile Phe Ile Ile Asp Leu Ser Leu Thr  
 20 25 30  
 Phe Arg Thr Thr Cys Tyr Ser Phe Tyr Ile Ile Ile Arg Cys Phe Thr  
 35 40 45  
 Leu His Phe Tyr Ile Ile Glu Met Ala  
 50 55

<210> 7078  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 7078  
 Met Gly Asn Pro His Ser Trp Val Ala Leu Pro Pro Gly Gln Ala Arg  
 1 5 10 15  
 Trp Gln Ser Val Arg Ala Ala Gly Cys Cys Pro Gln Pro Ser Trp Ser  
 20 25 30  
 Ile Phe Leu Arg Cys Val His Cys Phe Ile Phe Lys Ile Leu Phe Phe  
 35 40 45  
 Thr Gly Lys Glu Arg Lys Leu  
 50 55

<210> 7079  
 <211> 375  
 <212> PRT  
 <213> Homo sapiens

<400> 7079  
 Met Xaa Val Tyr Arg Leu Gln Thr Gln Glu Lys Pro Asn Thr Thr Val  
 1 5 10 15  
 Gln Val Pro Ala Phe Leu Gln Glu Leu Val Asp Arg Asp Asn Ser Lys  
 20 25 30  
 Phe Glu Glu Trp Cys Ile Glu Met Ala Glu Met Arg Xaa Lys Val Trp  
 35 40 45  
 Ile Lys Glu Lys Gln Asn Thr Lys Arg Leu Arg Ser Cys Thr Lys Gly  
 50 55 60  
 Tyr Leu Leu Glu Leu Ser Pro Met Ser Leu Ser Leu Trp Asn Gly Cys  
 65 70 75 80  
 Lys Ser Gly Trp Met Asn Gln Gln Xaa Pro Asn Leu Leu Ile Ile Thr  
 85 90 95  
 Leu Ala Cys Val Pro Met Thr Ser Phe Thr Arg Asn Lys Ile Ser Ile  
 100 105 110  
 Met Lys Arg Ile Ser Glu Tyr Ala Ala Asp Ile Phe Tyr  
 115 120 125

<210> 7080

<211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 7080

Met	Leu	Glu	Ser	Pro	Glu	Arg	Glu	Glu	Lys	Lys	Pro	Ser	Val	Gly	Ala
1				5					10					15	
Val	Pro	Thr	Glu	Asp	Ser	Thr	Ser	Phe	His	Leu	His	Ala	Leu	Arg	Glu
			20					25					30		
Ala	Lys	Ile	Pro	Arg	Glu	Ser	Ser	Arg	Gly	Arg	Lys	Xaa	Pro	Ala	Val
		35					40					45			
Ser	Cys	Lys	Cys	Val	Gly	Val	Gly	Ser	Asp	Phe	His	Pro	Cys	Trp	Thr
	50					55					60				
Ser	Ala	Ala	Ser	Asp	Ala	Phe	Trp	Lys	Gln	Val	Lys	Gly	Gln	Gly	His
65					70					75					80
Pro	Arg														

<210> 7081  
 <211> 411  
 <212> PRT  
 <213> Homo sapiens

<400> 7081

Met	Glu	Asn	Ala	Glu	Leu	Lys	Lys	Val	Leu	Gln	Gln	Met	Lys	Lys	Glu
1				5					10					15	
Met	Ile	Ser	Leu	Leu	Ser	Pro	Gln	Lys	Lys	Lys	Pro	Arg	Glu	Arg	Val
			20					25					30		
Asp	Asp	Ser	Thr	Gly	Thr	Val	Ile	Ser	Asp	Val	Glu	Glu	Asp	Ala	Gly
		35					40					45			
Glu	Leu	Ser	Arg	Glu	Ser	Met	Trp	Asp	Leu	Ser	Cys	Glu	Thr	Val	Arg
	50					55					60				
Glu	Gln	Leu	Thr	Asn	Ser	Ile	Arg	Lys	Gln	Trp	Arg	Ile	Leu	Lys	Ser
65					70					75					80
His	Val	Glu	Lys	Leu	Asp	Asn	Gln	Val	Ser	Lys	Val	His	Leu	Glu	Gly
			85						90					95	
Phe	Asn	Asp	Glu	Asp	Val	Ile	Ser	Arg	Gln	Asp	His	Glu	Gln	Glu	Thr
			100					105					110		
Glu	Lys	Leu	Glu	Leu	Glu	Ile	Gln	Gln	Cys	Lys	Glu	Met	Ile	Lys	Thr
		115					120					125			
Gln	Gln	Gln	Leu	Leu	Gln	Gln	Gln	Leu							
		130				135									

<210> 7082  
 <211> 216  
 <212> PRT  
 <213> Homo sapiens

<400> 7082

Met	Ala	Gly	Leu	Gln	Arg	Leu	Ala	Ser	His	Leu	Pro	Val	Gly	Val	Met
1				5					10					15	
Leu	Pro	His	Asn	Thr	Thr	Glu	Ala	Pro	Gly	Pro	His	Ser	Ala	Lys	Gln
			20					25					30		
Asp	Ser	Tyr	Glu	Gln	Gly	Asp	Ser	Ser	Gln	Gln	Ser	Leu	Lys	Gly	His
		35					40					45			

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Leu Arg Asn Asn Phe Gln Lys Gln Leu Leu Ser Asn Lys Glu Leu Ile  
 50 55 60  
 Leu Asp Lys Val Tyr Thr His Pro  
 65 70

<210> 7083  
 <211> 222  
 <212> PRT  
 <213> Homo sapiens

<400> 7083  
 Met Val Tyr Val Ala Phe Met Ser Cys Asn Thr Lys Val Cys Ser Phe  
 1 5 10 15  
 Ile Leu Glu Ala Ser Glu Thr Thr Asn Pro Pro Ser Gly Ala Thr Asn  
 20 25 30  
 Phe Ser Cys Ala Ala Leu Arg Ala Val Thr Leu Thr Val Lys Val Cys  
 35 40 45  
 Ser Phe Ile Ser Glu Ser Ala Arg Pro Gly Thr His Gln Lys Lys Lys  
 50 55 60  
 Thr Pro Asn Ala Ser Glu His Gln Lys Glu  
 65 70

<210> 7084  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 7084  
 Met Ala Gln Ala Lys Ile Asn Ala Lys Ala Asn Glu Gly Arg Phe Cys  
 1 5 10 15  
 Arg Ser Ser Ser Met Ala Asp Arg Ser Ser Arg Leu Leu Glu Ser Leu  
 20 25 30  
 Asp Gln Leu Glu Leu Arg Val Glu Ala Leu Arg Glu Ala Ala Thr Ala  
 35 40 45  
 Val Glu Gln Glu Lys Glu Ile Leu Leu Glu Met Ile His Ser Ile Gln  
 50 55 60  
 Asn Ser Gln  
 65

<210> 7085  
 <211> 222  
 <212> PRT  
 <213> Homo sapiens

<400> 7085  
 Met Lys Leu Glu Phe Thr Glu Lys Asn Xaa Xaa Ser Phe Val Leu Gln  
 1 5 10 15  
 Asn Leu Asn Arg Gln Arg Lys Arg Lys Glu Tyr Trp Asp Met Ala Leu  
 20 25 30  
 Ser Val Asp Asn His Val Phe Phe Ala His Arg Asn Val Leu Ala Ala  
 35 40 45  
 Val Ser Pro Leu Val Arg Ser Leu Ile Ser Ser Asn Asp Met Lys Thr  
 50 55 60  
 Ala Asp Glu Leu Phe Ile Thr Ile Asp Thr

65

70

&lt;210&gt; 7086

&lt;211&gt; 429

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7086

Met Val Leu Phe Leu Gly Ala Ile Gly Arg Ile Asp Phe Leu Gln Gly  
 1 5 10 15  
 Asn Gln Ser Ala Trp Phe Thr Val Val Ala Ser Asn Ile Leu Pro Val  
 20 25 30  
 His Ile Thr Ser Leu Asp Arg Ala Asp Ala Leu Tyr Gln Lys His Ala  
 35 40 45  
 Gly His Thr Leu Leu Gln Ile Pro Met Gly Gly Lys Glu Arg Met Ala  
 50 55 60  
 Gly Phe Pro Pro Leu Val Ala Glu Asp Ile Met Leu Lys Glu Gly Leu  
 65 70 75 80  
 Gly Ala Ser Glu Ala Val Ala Asp Ile Lys Phe Ser Ser Ala Gly Trp  
 85 90 95  
 Val Ser Val Thr Pro Asn Phe Xaa Asp Arg Leu His Leu Arg Gly Tyr  
 100 105 110  
 Thr Pro Glu Gly Thr Val Leu Thr Val Arg Pro Pro Leu Leu Pro Tyr  
 115 120 125  
 Ile Val Thr Ser Lys Asp Ser Ala Ser Arg Lys Val Trp Pro Ile  
 130 135 140

&lt;210&gt; 7087

&lt;211&gt; 237

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7087

Met Gly Ser Lys Cys Cys Lys Gly Gly Pro Asp Glu Asp Ala Val Glu  
 1 5 10 15  
 Arg Gln Arg Arg Gln Lys Leu Leu Leu Ala Gln Leu His His Arg Lys  
 20 25 30  
 Arg Val Lys Ala Ala Gly Gln Ile Gln Ala Trp Trp Arg Gly Val Leu  
 35 40 45  
 Val Arg Arg Thr Leu Leu Val Ala Ala Leu Arg Ala Trp Met Ile Gln  
 50 55 60  
 Cys Trp Trp Arg Thr Leu Val Gln Arg Arg Ile Arg Gln Arg Arg  
 65 70 75

&lt;210&gt; 7088

&lt;211&gt; 291

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7088

Met Ala Lys Gly Gly Glu Ala Leu Pro Gln Gly Ser Pro Ala Pro Val  
 1 5 10 15  
 Gln Asp Pro His Leu Ile Lys Val Thr Val Lys Thr Pro Lys Asp Lys  
 20 25 30

Glu Asp Phe Ser Val Thr Asp Thr Cys Thr Ile Gln Gln Leu Lys Glu  
           35                          40                          45  
 Glu Ile Ser Gln Arg Phe Lys Ala His Pro Asp Gln Leu Val Leu Asn  
           50                          55                          60  
 Leu Cys Trp Gln Asn Pro Xaa Xaa Ser Xaa Ser Leu Ala Gln Cys Gly  
 65                          70                          75                          80  
 Val Arg Asp Gly Leu Thr Val Xaa Leu Val Ile Lys Arg Gln His Arg  
                           85                          90                          95  
 Ala

<210> 7089  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 7089  
 Met Phe Leu Pro Gln Leu Ile His Xaa Pro Cys Asp Val Xaa Pro Cys  
 1                          5                          10                          15  
 Asp Leu Pro Tyr Leu Val Thr Met His Leu Val Thr Phe Phe Pro Cys  
                           20                          25                          30  
 Pro Xaa Lys Leu Pro Leu Thr Xaa Thr Phe His Tyr Leu Leu Gln Ala  
                           35                          40                          45  
 Xaa Lys Thr Asn Ser Thr Pro  
           50                          55

<210> 7090  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 7090  
 Met Phe Cys Thr Thr Glu Gln Gln Gly Ala Leu Ser Ser Glu Leu Pro  
 1                          5                          10                          15  
 Ser Thr Ser Pro Ser Ser Val Ala Ala Ile Ser Ser Arg Ser Val Ile  
                           20                          25                          30  
 His Lys Pro Phe Thr Gln Ser Arg Ile Pro Pro Asp Leu Pro Met His  
                           35                          40                          45  
 Pro Ala Pro Arg His Ile Thr Glu Glu Glu Leu Ser Val Leu Glu Ser  
           50                          55                          60  
 Cys Leu His Arg Trp Lys Asp  
 65                          70

<210> 7091  
 <211> 204  
 <212> PRT  
 <213> Homo sapiens

<400> 7091  
 Met Gln Pro Ser Thr Arg Ala Leu Pro Leu Leu Ser Pro Arg Leu Arg  
 1                          5                          10                          15  
 Leu Arg Ser Arg Ile Gln Met Phe Cys Gly Ile Trp Thr Ser Pro Lys  
                           20                          25                          30  
 Pro Gly Ala Met Leu Thr Lys Thr Ala Thr Xaa Arg Arg Lys Pro Cys  
           35                          40                          45

Ser Pro Ala Thr Cys Thr Xaa Ala Gly Ser Thr Ala Ala Pro Gly Gln  
 50 55 60  
 Ile Pro Ile Pro  
 65

<210> 7092  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7092  
 Met Cys His Xaa Ala Trp Leu Ile Xaa Val Cys Xaa Val Glu Met Xaa  
 1 5 10 15  
 Phe His Asn Val Gly Pro Ala Gly Leu Glu Leu Leu Thr Ser Gly Asp  
 20 25 30  
 Pro Xaa Thr Xaa Ala Ser Gln Asn Ala Gly Ile Thr Gly Val Ser His  
 35 40 45  
 Arg Thr Gln Pro Leu  
 50

<210> 7093  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 7093  
 Met Glu Met Ser Ser Tyr Leu Cys Trp Ala Arg Gly Xaa Lys Arg Glu  
 1 5 10 15  
 Xaa Ala Phe Ser Arg Gly Xaa Glu Xaa Ile Leu Asn Pro Arg Val Pro  
 20 25 30  
 Pro Pro Cys Pro Glu Pro Ser Ser Val Ser Xaa Gln Gln Phe Gln Pro  
 35 40 45  
 Leu His Arg Met Gln Gln Thr Asn Val Ala Leu Leu Gly Arg Glu Thr  
 50 55 60  
 Val Gly Lys Lys Glu Pro Cys  
 65 70

<210> 7094  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens

<400> 7094  
 Met Ser Thr Leu Phe Pro Ser Leu Phe Pro Arg Val Thr Glu Thr Leu  
 1 5 10 15  
 Trp Phe Asn Leu Asp Arg Pro Cys Val Glu Glu Thr Glu Leu Gln Gln  
 20 25 30  
 Gln Glu Gln Gln His Gln Ala Trp Leu Gln Ser Ile Ala Xaa Lys Asp  
 35 40 45  
 Asn Asn Leu Val Pro Ile Gly Lys Pro Ala Ser Glu His Tyr Asp Asp  
 50 55 60  
 Glu Val  
 65

<210> 7095  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 7095  
 Met Leu Val Asp Lys Leu Asn Thr Asn Thr Glu Met Glu Glu Val Met  
 1 5 10 15  
 Asn Asp Tyr Asn Met Leu Lys Ala Gln Asn Asp Arg Glu Thr Gln Ser  
 20 25 30  
 Leu Asp Val Ile Phe Thr Glu Arg Gln Ala Lys Glu Lys Gln Ile Arg  
 35 40 45  
 Ser Val Glu Glu Glu Ile Glu Gln Glu Xaa Gln Ala Thr  
 50 55 60

<210> 7096  
 <211> 285  
 <212> PRT  
 <213> Homo sapiens

<400> 7096  
 Met Gly Gly Arg Arg Gly Pro Asn Arg Thr Ser Tyr Cys Arg Asn Pro  
 1 5 10 15  
 Leu Cys Glu Pro Gly Ser Ser Gly Gly Ser Ser Gly Ser His Thr Ser  
 20 25 30  
 Ser Ala Ser Val Thr Ser Val Arg Ser Arg Thr Arg Ser Ser Xaa Gly  
 35 40 45  
 Thr Gly Leu Ser Ser Pro Pro Leu Ala Thr Gln Thr Val Val Pro Leu  
 50 55 60  
 Gln His Cys Lys Ile Pro Glu Leu Pro Val Gln Ala Ser Ile Leu Phe  
 65 70 75 80  
 Glu Xaa Gln Leu Phe Cys Gln Leu Ile Ala Leu Phe Val His  
 85 90 95

<210> 7097  
 <211> 216  
 <212> PRT  
 <213> Homo sapiens

<400> 7097  
 Met Tyr Gly Ala Met Cys Val Tyr Gly Gln Asn Lys Lys Asp Ala Leu  
 1 5 10 15  
 Trp Leu Ile Ile Leu Ser Ile Gln Ile Tyr Phe Leu Ser Leu Pro Pro  
 20 25 30  
 Ser Ser Ser Leu Leu Phe Ile Tyr Ile Tyr Lys Glu Asn Asp Thr Ala  
 35 40 45  
 Glu Leu Gly Gly Lys Ala Trp Val Trp Cys Met Val Phe Glu Ile Leu  
 50 55 60  
 Met Pro Arg Gln Lys Ala Asn Thr  
 65 70

<210> 7098  
 <211> 183  
 <212> PRT

<213> Homo sapiens

<400> 7098

Met	Arg	Gly	Pro	Cys	Trp	Glu	His	Val	Leu	Leu	Gly	Ile	Ser	Pro	Ser
1				5					10					15	
Leu	Cys	Pro	Val	Pro	Thr	Pro	Pro	Arg	Arg	Cys	Ser	Cys	Ser	Glu	Pro
			20					25					30		
Thr	Pro	His	Leu	Ser	Glu	Ala	Thr	Gln	Arg	Ala	Pro	Cys	Gly	Gln	Ser
		35					40					45			
Trp	Ile	Leu	Ala	Leu	Asn	Lys	Ser	Glu	Ser	Trp	Gly	Lys			
	50					55					60				

<210> 7099

<211> 189

<212> PRT

<213> Homo sapiens

<400> 7099

Met	Asp	Ser	Ser	Arg	Ala	Arg	Gln	Gln	Leu	Arg	Arg	Arg	Phe	Leu	Leu
1			5						10					15	
Leu	Pro	Asp	Ala	Glu	Ala	Gln	Leu	Asp	Arg	Glu	Gly	Asp	Ala	Gly	Pro
			20					25					30		
Lys	Thr	Ser	Thr	Ala	Val	Glu	Lys	Lys	Glu	Lys	Pro	Leu	Pro	Arg	Leu
		35					40					45			
Asn	Ile	His	Ser	Gly	Phe	Trp	Ile	Leu	Ala	Ser	Ile	Val	Val	Thr	
	50					55					60				

<210> 7100

<211> 165

<212> PRT

<213> Homo sapiens

<400> 7100

Met	Cys	Val	Cys	Met	Tyr	Phe	Pro	Ala	Ser	Ile	Ile	Thr	Phe	Met	Cys
1				5					10					15	
Asn	Val	Thr	Phe	Ser	Asn	Ala	Ser	Phe	Lys	Phe	Ser	Lys	Val	Lys	Pro
			20					25					30		
Ser	Leu	Ile	Val	Leu	Gly	Glu	Asn	Glu	Ile	Val	Met	Met	Lys	Gln	Lys
		35					40					45			
Lys	Gln	Asn	Thr	Val	Asn	Pro									
	50					55									

<210> 7101

<211> 186

<212> PRT

<213> Homo sapiens

<400> 7101

Met	Arg	Ala	Ser	Gln	Pro	Gly	Gln	Gly	Gln	Gly	Thr	Ser	Arg	Pro	Ala
1				5					10					15	
Ala	Ser	Thr	Lys	Asn	Arg	Lys	Glu	Glu	Lys	Glu	Arg	Glu	Gly	Xaa	Arg
			20					25					30		
Ser	Pro	Ala	Xaa	Thr	Ser	Xaa	Pro	Ser	Ser	Gly	Ser	Leu	Pro	Leu	Glu
		35					40					45			



Cys Leu Met Arg Gln Asn Gly Ser Ser Ser Cys Ile Pro Ala  
 50 55 60

<210> 7102  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 7102  
 Met Xaa Pro Pro Gly Gly Thr Asn Asn Ser Arg Cys Ala Thr Leu Arg  
 1 5 10 15  
 Ala Val Thr Leu Thr Ala Lys Val Cys Ser Phe Thr Pro Glu Pro Ala  
 20 25 30  
 Arg Pro Arg Thr His Gln Lys Glu Glu Thr Pro Asp Thr Ser Glu His  
 35 40 45  
 Gln Lys Glu  
 50

<210> 7103  
 <211> 348  
 <212> PRT  
 <213> Homo sapiens

<400> 7103  
 Met Tyr Leu Gln Gly Pro Arg Lys Leu Met Thr Gln Gly Gly Tyr Asp  
 1 5 10 15  
 Met Val Gln Lys Leu Phe Leu Asp Phe Phe Arg Arg Arg Leu Ser Gln  
 20 25 30  
 Arg Pro Thr Ala Glu Glu Leu Glu Gln Arg Asn Ile Leu Lys Pro Arg  
 35 40 45  
 Asn Glu Gln Glu Glu Gln Glu Lys Arg Glu Ile Lys Arg Arg Leu  
 50 55 60  
 Thr Arg Lys Leu Ser Gln Arg Pro Thr Val Glu Glu Leu Arg Glu Arg  
 65 70 75 80  
 Lys Ile Leu Ile Arg Phe Ser Asp Tyr Val Glu Val Ala Asp Ala Gln  
 85 90 95  
 Asp Tyr Asp Arg Arg Ala Asp Lys Pro Trp Thr Arg Leu Thr Ala Ala  
 100 105 110  
 Asp Lys Ala Ala  
 115

<210> 7104  
 <211> 216  
 <212> PRT  
 <213> Homo sapiens

<400> 7104  
 Met Arg Arg Cys Glu Leu Asp Val Arg Arg Gly Thr Leu Gly Leu Arg  
 1 5 10 15  
 Pro Pro Arg Pro His Arg Ile Asp Ala Pro Thr Pro Ala Asp Asp His  
 20 25 30  
 Asp His Leu Lys Gly Lys His His Leu Arg Gly Pro Thr His Gly Ser  
 35 40 45  
 Glu Ala Pro Leu His Cys Gly Val Cys Trp Val Gly Gly Gln Leu Pro



# SECRET

Met	Ser	Ser	Thr	Ser	Ser	Lys	Arg	Ala	Pro	Thr	Thr	Ala	Thr	Gln	Arg
1				5					10					15	
Leu	Lys	Gln	Asp	Tyr	Leu	Arg	Ile	Lys	Lys	Asp	Pro	Val	Pro	Tyr	Ile
			20					25					30		
Cys	Ala	Glu	Pro	Leu	Pro	Ser	Asn	Ile	Leu	Glu	Trp	His	Tyr	Val	Val
		35					40					45			
Arg	Gly	Xaa	Glu	Met	Thr	Pro									
	50					55									

<400> 7109

Met	Glu	Ser	Asp	Glu	Asn	Ile	Leu	Ile	Gly	Leu	Gly	Gly	Cys	Glu	Gln
1				5					10					15	
Lys	Thr	Ile	Tyr	Gln	Gly	Pro	Trp	Ser	Ile	Trp	Lys	Gln	Arg	Val	Asn
			20					25					30		
Tyr	Lys	Gln	Gln	Gly	Leu	Ser	Thr	Ile	Cys	Ser	Thr	Leu	Asn	Asp	Val
		35					40					45			
Ile	Leu	Thr	Leu	Lys	Leu	Pro									
	50					55									

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<210> 7110
<211> 180
<212> PRT
<213> Homo sapiens
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Met	Ala	Ala	Leu	Leu	His	Leu	Gln	Ser	Gln	Lys	His	Trp	Ala	Lys	Pro
1				5					10					15	
Phe	Cys	Leu	Ser	Leu	Phe	Xaa	Xaa	Lys	Arg	Pro	Leu	Trp	Pro	Ser	Leu
			20					25					30		
Ala	Asn	Met	Ala	His	Arg	Arg	Glu	Ala	Gly	Thr	Asp	Gly	Lys	Thr	Phe
		35					40					45			
Phe	Phe	Ser	Xaa	Ser	Ser	Thr	Ser	Thr	Leu	Ser	Pro				
	50					55					60				

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<210> 7111
<211> 177
<212> PRT
<213> Homo sapiens
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Met Thr Leu Ser Pro Ile Pro Val Leu Arg Asp Ile Ser Glu Xaa Gly  
1 5 10 15

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Arg Asp Leu Glu Gln Ile Xaa Xaa Gln Tyr Ile Thr Xaa Val Lys Pro  
 20 25 30  
 Ala Xaa Glu Glu Phe Xaa Xaa Pro Thr Lys Lys Tyr Ala Asp Val Ile  
 35 40 45  
 Ile Pro Arg Gly Ala Asp Asn Leu Val Xaa Ile  
 50 55

<210> 7112  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 7112  
 Met Val Ala Arg Arg Arg Lys Cys Ala Ala Arg Asp Pro Glu Asp Arg  
 1 5 10 15  
 Ile Pro Ser Pro Leu Gly Tyr Ala Ala Ile Pro Ile Lys Phe Ser Glu  
 20 25 30  
 Lys Gln Gln Ala Ser His Tyr Leu Tyr Val Arg Ala His Gly Val Arg  
 35 40 45  
 Gln Gly Thr Lys Ser Thr Trp Pro Gln Lys Arg Thr Leu Phe Val Leu  
 50 55 60  
 Asn Val Pro Pro Arg  
 65

<210> 7113  
 <211> 231  
 <212> PRT  
 <213> Homo sapiens

<400> 7113  
 Met Asn Gly Arg Lys His Phe Val Glu Lys Arg Tyr Ser Glu Phe His  
 1 5 10 15  
 Ala Leu His Lys Lys Leu Lys Lys Cys Ile Lys Thr Pro Glu Ile Pro  
 20 25 30  
 Ser Lys His Val Arg Asn Trp Val Pro Lys Val Leu Glu Gln Arg Arg  
 35 40 45  
 Gln Gly Leu Glu Thr Tyr Leu Gln Ala Val Ile Leu Glu Asn Glu Glu  
 50 55 60  
 Leu Pro Lys Leu Phe Leu Asp Phe Leu Asn Val Arg His  
 65 70 75

<210> 7114  
 <211> 273  
 <212> PRT  
 <213> Homo sapiens

<400> 7114  
 Met Glu Asp Lys His Ser Ser Asp Ala Ser Ser Leu Leu Pro Gln Asn  
 1 5 10 15  
 Ile Leu Ser Gln Thr Ser Arg His Asn Asp Arg Asp Tyr Arg Leu Pro  
 20 25 30  
 Arg Ala Glu Thr His Ser Ser Ser Thr Xaa Val Gln His Pro Ile Lys  
 35 40 45  
 Pro Val Val His Pro Thr Ala Thr Pro Ser Thr Val Pro Ser Ser Xaa

50 55 60  
Phe Thr Leu Gln Ser Asp His Gln Pro Lys Lys Ser Phe Asp Ala Asn  
65 70 75 80  
Gly Ala Ser Thr Leu Ser Lys Leu Pro Thr Pro  
85 90

<210> 7115  
<211> 189  
<212> PRT  
<213> Homo sapiens

<400> 7115  
Met Ser Cys Asn Thr His Arg Glu Gly Leu Gln Leu His Phe Lys Pro  
1 5 10 15  
Ala Arg Pro Gly Thr His Gln Glu Glu Gln Thr Thr Pro Asp Met Pro  
20 25 30  
Pro Leu Arg Ala Val Thr Leu Thr Ala Lys Val Cys Gly Phe Thr Pro  
35 40 45  
Lys Val Ser Glu Thr Thr Asn Pro Thr Lys Glu Thr Pro Asp Asp  
50 55 60

<210> 7116  
<211> 159  
<212> PRT  
<213> Homo sapiens

<400> 7116  
Met Ile Lys Gln Ser Ser Arg Val Trp Leu Cys Leu Val Thr Arg Arg  
1 5 10 15  
Val Tyr Ile Gly Arg Ala Arg Ala Leu Gly His Pro Thr Gly Lys Leu  
20 25 30  
Gln His Ser Cys Gly Ser Leu Gln Ser Thr Gly Ala Tyr Tyr Arg His  
35 40 45  
Ser Thr Thr Asn Xaa  
50

<210> 7117  
<211> 237  
<212> PRT  
<213> Homo sapiens

<400> 7117  
Met Ala Arg Leu Ile Asn Ala Phe Ala Ser Leu Ala Glu Gly Arg Leu  
1 5 10 15  
Tyr Leu Ala Gln Asn Thr Lys Val Leu Gln Met Leu Glu Gly Arg Leu  
20 25 30  
Lys Glu Glu Asp Lys Asp Ile Ile Xaa Arg Glu Asn Val Leu Gly Ala  
35 40 45  
Leu Gln Lys Phe Ser Leu Arg Arg Pro Leu Gln Thr Ala Met Ile Gln  
50 55 60  
Asp Gly Leu Ile Phe Trp Leu Val Asp Val Leu Lys Asp Pro Asp  
65 70 75

<210> 7118

<211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7118  
 Met Xaa Xaa Gly His Leu Ala Lys Ser Arg Asp Phe Ile Cys Val Asn  
 1 5 10 15  
 Ile Leu Glu Arg Gly Leu His Pro Phe Val Arg Thr Glu Ala Trp Lys  
 20 25 30  
 Phe Leu Thr Gly Tyr Phe Ser Trp Gln Ser Ser Gln Asp Glu Arg Leu  
 35 40 45  
 Thr Val Asp Ser Met  
 50

<210> 7119  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 7119  
 Met Tyr Ala Gly Val Gly Phe Gly Gly Leu Cys Gly Arg Gly Ser Arg  
 1 5 10 15  
 Gly Asp Thr Ala Arg Ser Leu Leu Glu Gly Asp Asp His Phe Ser Pro  
 20 25 30  
 Glu Asn Arg Leu Asp Met Gln Glu Thr Thr Arg Lys Thr Trp Arg Thr  
 35 40 45  
 Ser Ser Ala Met Ser Ala Gly Gly Cys Ser Gly Glu Lys Asn Cys Leu  
 50 55 60  
 Arg Trp Thr Arg Ser Pro Gly Ser Pro Pro Xaa Gly Cys Gly Gly Leu  
 65 70 75 80  
 Ser Arg

<210> 7120  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 7120  
 Met Ser Thr Pro Cys His Pro Leu Arg Ser Leu Asn Phe Arg Lys Thr  
 1 5 10 15  
 Thr Lys Glu Ser Ala Leu Leu Asn Lys Leu Ser Ile Leu Ala Ser Lys  
 20 25 30  
 Leu Ala Pro Ala Met Lys Thr Gln Lys Leu Arg Tyr Arg Arg Cys Ser  
 35 40 45  
 Ser Glu Leu Leu Pro Met Ala Lys Ser Tyr Lys Arg Leu  
 50 55 60

<210> 7121  
 <211> 225  
 <212> PRT  
 <213> Homo sapiens

<400> 7121  
 Met Gln Ile Lys Thr Thr Met Arg Tyr His Leu Met Pro Ala Arg Met

1                    5                    10                    15  
 Val Ile Ile Lys Lys Leu Arg Asn Thr Arg Cys Leu Arg Gly Cys Gly  
                   20                    25                    30  
 Glu Ile Gly Lys Leu Leu Pro Cys Trp Gln Glu Cys Lys Leu Val Gln  
                   35                    40                    45  
 Ser Leu Trp Lys Ala Val Trp Arg Phe Leu Lys Asp Leu Glu Pro Glu  
                   50                    55                    60  
 Ile Leu Phe Asp Pro Glu Ile Leu Leu Leu Gly  
 65                    70                    75

<210> 7122  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 7122  
 Met Leu Phe Ala Leu Asn Ile Met Asn Ser Gln Glu Gly Gly Pro Ser  
 1                    5                    10                    15  
 Ser Gln Arg Gln Val Gln Asn Gly Pro Ser Pro Asp Glu Met Asp Ile  
                   20                    25                    30  
 Gln Arg Arg Gln Val Met Glu Gln His Gln Gln Xaa Arg Gln Glu Ser  
                   35                    40                    45  
 Leu Glu Arg Arg Thr Ser Ala Xaa Gly Xaa Xaa Leu Xaa Xaa Gly His  
                   50                    55                    60  
 Pro Ser Ser Ala Ala Ser Ala Pro Asp  
 65                    70

<210> 7123  
 <211> 372  
 <212> PRT  
 <213> Homo sapiens

<400> 7123  
 Met Ala Gln Lys Arg Pro Ala Cys Thr Leu Lys Pro Glu Cys Val Gln  
 1                    5                    10                    15  
 Gln Leu Leu Val Cys Ser Gln Glu Ala Lys Lys Ser Ala Tyr Cys Pro  
                   20                    25                    30  
 Tyr Ser His Phe Pro Val Gly Ala Ala Leu Leu Thr Gln Glu Gly Arg  
                   35                    40                    45  
 Ile Phe Lys Gly Cys Asn Ile Glu Asn Ala Cys Tyr Pro Leu Gly Ile  
                   50                    55                    60  
 Cys Ala Glu Arg Thr Ala Ile Gln Lys Ala Val Ser Arg Lys Gly Thr  
 65                    70                    75                    80  
 Lys Asp Phe Arg Ala Ile Ala Ile Ala Ser Asp Met Gln Asp Asp Phe  
                   85                    90                    95  
 Ile Ser Pro Cys Gly Ala Cys Xaa Ala Lys Leu Met Gln Arg Val Trp  
                   100                    105                    110  
 His Gln Xaa Gly Pro Cys Tyr Met Thr Lys Pro Asp  
                   115                    120

<210> 7124  
 <211> 288  
 <212> PRT  
 <213> Homo sapiens

<400> 7124

Met	Gly	Lys	Thr	Arg	Glu	Ile	Asp	Thr	Ser	Thr	Arg	Gly	Gln	Gln	Met
1				5					10					15	
Leu	Leu	Gln	Ile	Gly	Val	Arg	Arg	Gly	Arg	Tyr	Leu	Val	Glu	Asp	Arg
			20					25					30		
Gly	Met	Phe	Pro	Gly	His	Arg	Ser	Lys	Tyr	Xaa	Asn	Lys	Glu	Leu	Pro
		35					40					45			
Gly	Gln	Xaa	Arg	Trp	Leu	Thr	Pro	Val	Ile	Pro	Ala	Leu	Trp	Glu	Ala
	50					55					60				
Glu	Ala	Gly	Gly	Ser	Arg	Gly	Gln	Glu	Ile	Glu	Thr	Ile	Leu	Ala	Thr
65					70					75					80
Gln	Xaa	Ser	Pro	Ser	Leu	Leu	Lys	Ile	Lys	Ser	Gly	Val	Val	Val	Gly
				85					90						95

<210> 7125

<211> 174

<212> PRT

<213> Homo sapiens

<400> 7125

Met	Leu	Gly	Leu	Ser	Phe	Thr	Met	Ala	Leu	Ala	Val	Lys	Ala	Asn	Val
1				5					10					15	
Pro	Phe	Pro	Ser	Ser	Leu	Gln	Ser	Ala	His	Cys	Leu	Ser	Ser	Leu	Arg
			20					25					30		
Gln	Lys	Glu	Leu	Thr	Ser	His	Trp	Gly	Phe	Leu	Gly	Arg	Val	Leu	Lys
		35					40					45			
Pro	Ser	Ala	Phe	Ser	Asn	Ile	Leu	Leu	Pro						
	50					55									

<210> 7126

<211> 162

<212> PRT

<213> Homo sapiens

<400> 7126

Met	Ile	Glu	Arg	Met	Thr	Glu	Lys	Met	Leu	Glu	Ser	Pro	Pro	Met	His
1				5					10					15	
Glu	Ser	Glu	Arg	Lys	Leu	Leu	Pro	Ser	Ser	Arg	Ser	Thr	Glu	Glu	Ala
			20					25					30		
His	Thr	Glu	Cys	Trp	Lys	His	Gln	Gly	Arg	Ser	Pro	Ala	Val	Leu	Val
		35					40					45			
Arg	Ala	Thr	Leu	Lys	Ala										
	50														

<210> 7127

<211> 159

<212> PRT

<213> Homo sapiens

<400> 7127

Met	Gly	Gln	Cys	Phe	Thr	Lys	Val	Leu	Ala	Gly	Ser	Ser	Leu	Glu	Asp
1				5					10					15	
Cys	Gly	Ile	Ser	Gly	His	Thr	Gln	Glu	Arg	Xaa	Xaa	Arg	Cys	Ser	Ser





<211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7131  
 Met Ser Pro Pro Gly Gly Thr Asn Asn Ser Arg Cys Ala Thr Leu Arg  
 1 5 10 15  
 Ala Val Thr Leu Thr Ala Lys Val Cys Ser Phe Thr Pro Glu Pro Ala  
 20 25 30  
 Arg Pro Arg Thr His Pro Xaa Gly Xaa Asn Ser Glu His Ile Arg Thr  
 35 40 45  
 Ser Glu Gly Ser  
 50

<210> 7132  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 7132  
 Met Leu Ser Pro Gln Xaa Val Ala Ala Ala Ala Ser Arg Xaa Ala Asp  
 1 5 10 15  
 Asp Ala Met Glu Ser Ser Lys Pro Gly Pro Val Gln Val Val Leu Val  
 20 25 30  
 Gln Lys Asp Gln His Ser Phe Glu Leu Asp Glu Lys Ala Leu Ala Ser  
 35 40 45  
 Ile Leu Leu Gln Asp His Ile Arg Asp Leu Asp Val Val Val Val Ser  
 50 55 60  
 Val Ala Gly Ala Phe Arg Lys Gly Lys Ser Phe Ile Leu Asp Xaa  
 65 70 75

<210> 7133  
 <211> 249  
 <212> PRT  
 <213> Homo sapiens

<400> 7133  
 Met Phe Phe Ile Ser Phe Glu Cys Val Pro Arg Ser Arg Ile Ala Arg  
 1 5 10 15  
 Ser Tyr Gly Asn Ser Val Phe Asn Phe Leu Arg Asn Cys Gln Thr Val  
 20 25 30  
 Leu Gln Ser Ser Cys Xaa Ile Leu His Ser His Gln Gln Cys Leu Arg  
 35 40 45  
 Val Pro Ile Ser Pro His Ser Cys Gln His Leu Ser Xaa Lys Ile Leu  
 50 55 60  
 Ala Ile His Pro Ser Val Cys Xaa Val Ala Ser His Cys Gly Phe Asp  
 65 70 75 80  
 Phe Phe Phe

<210> 7134  
 <211> 354  
 <212> PRT  
 <213> Homo sapiens

004220"665E7560

004220-056E1560

<400> 7134

Met Ile Ile Ser Phe Leu Arg Pro Pro Gln Pro Arg Phe Leu Cys Ser  
 1 5 10 15  
 Leu Gln Ser Leu Ser Tyr Ile Tyr Ile Leu Arg Gln Gly Leu Thr Leu  
 20 25 30  
 Ser Xaa Arg Leu Glu Cys Arg Val Val Ile Asn Ser Ser Leu Gln Pro  
 35 40 45  
 Gln Xaa Pro Gly Leu Lys Arg Ser Ser Ser Leu Ser Leu Arg Lys Gln  
 50 55 60  
 Trp Asn Xaa Arg Cys Glu Pro Pro Cys Pro Ala Leu Glu Xaa Xaa Lys  
 65 70 75 80  
 Xaa Xaa Glu Lys Arg Gln Val Lys Arg Ser Glu Val Tyr Ile Glu Asn  
 85 90 95  
 Gly Leu Asn Xaa Xaa Lys Asn His Lys Arg Ser Glu Asn Ser Gln Phe  
 100 105 110  
 Leu Pro Leu Leu Met Thr  
 115

<210> 7135

<211> 189

<212> PRT

<213> Homo sapiens

<400> 7135

Met Ala Gln Xaa Xaa Asn Arg Asp Phe Xaa Asp Val Ala Lys Ala Leu  
 1 5 10 15  
 Arg Ser Ser Trp His Xaa Ser Arg Lys Trp Gly Glu Thr Leu Leu Gln  
 20 25 30  
 Leu Ser Thr Xaa Xaa Thr Pro Pro Xaa Glu Ile Phe Val Xaa His Leu  
 35 40 45  
 His Phe Lys Ile Xaa Ala Thr Met Ser Xaa Asn Leu Val Ala Leu  
 50 55 60

<210> 7136

<211> 204

<212> PRT

<213> Homo sapiens

<400> 7136

Met Thr Ala Ile Arg Leu Arg Glu Phe Ile Glu Arg Arg Pro Val Ile  
 1 5 10 15  
 Pro Pro Ser Ile Phe Ile Ala His Gln Gly Arg Asp Val Gln Gly Tyr  
 20 25 30  
 Tyr Pro Gly Gln Leu Ala Arg Leu His Phe Asp His Ser Ala Lys Arg  
 35 40 45  
 Ala Pro Arg Pro Leu Ile Asp Leu Thr Ile Pro Pro Lys Thr Lys Tyr  
 50 55 60  
 His Tyr Gln Pro  
 65

<210> 7137

<211> 378

<212> PRT

<213> Homo sapiens

<400> 7137

Met Tyr Ser Leu Cys Leu Leu Ala Thr Leu Met Gly Glu Asp Val Trp  
 1 5 10 15  
 Ser Tyr Ala Lys Gly Leu Pro His Met Phe Gln Gln Gly Gly Val Phe  
 20 25 30  
 Tyr Ser Ile Met Lys Lys Thr Met Gly Met Ala Asp Gly Lys His Cys  
 35 40 45  
 Xaa Phe Pro His Leu Pro Gly Lys Thr Phe Val Tyr Asn Ala Ser Glu  
 50 55 60  
 Asp Arg Leu Glu Leu Cys Val Asp Ala Ala Gly His Phe Pro Ile Gly  
 65 70 75 80  
 Pro Asp Val Glu Asp Leu Val Lys Glu Ala Val Ser Gln Val Arg Ala  
 85 90 95  
 Glu Ala Thr Thr Arg Ser Arg Glu Ser Ser Pro Ser His Gly Leu Leu  
 100 105 110  
 Lys Leu Gly Ser Gly Gly Val Val Lys Arg Asn Leu Ser Ile  
 115 120 125

<210> 7138

<211> 189

<212> PRT

<213> Homo sapiens

<400> 7138

Met Lys Pro Ala Tyr Pro Ser Pro Val Cys Trp Pro Gln Phe Ser Asn  
 1 5 10 15  
 Gln Val Leu Asn Glu Leu Asp Gly Leu Cys Gln Ile Pro Pro Cys Lys  
 20 25 30  
 Ala Gly Ile Ser Pro Leu Phe Xaa Cys Ala Leu Trp Gly Cys Gly Ser  
 35 40 45  
 Phe Gly Ser Asp Phe Ser Tyr Met Phe Ser Pro Pro Thr Pro Ile  
 50 55 60

<210> 7139

<211> 198

<212> PRT

<213> Homo sapiens

<400> 7139

Met Gly Phe Leu His Val Gly Gln Ala Gly Leu Glu Leu Pro Thr Ser  
 1 5 10 15  
 Asp Leu Pro Ala Ser Ala Ser Gln Ser Ala Gly Ile Ile Gly Val Gly  
 20 25 30  
 His His Thr Gly Leu Pro Cys Ser Leu Arg Tyr Leu Gln Glu Met Gln  
 35 40 45  
 Ser Pro Arg Leu Ala Ala Thr Phe Phe Pro Trp His Asp Asn Asp Pro  
 50 55 60  
 Arg Asn  
 65

<210> 7140

<211> 159

<212> PRT

<213> Homo sapiens

<400> 7140

Met Glu Ala Ala Ala Asp Gly Pro Ala Glu Thr Gln Ser Pro Val Glu  
1 5 10 15  
Lys Asp Ser Pro Ala Lys Thr Gln Ser Pro Ala Gln Asp Thr Ser Ile  
20 25 30  
Met Ser Arg Asn Asn Ala Asp Thr Gly Arg Val Leu Ala Leu Pro Glu  
35 40 45  
His Lys Lys Lys Arg  
50

<210> 7141

<211> 153

<212> PRT

<213> Homo sapiens

<400> 7141

Met Ser Pro Pro Gly Gly Thr Asn Asn Ser Arg Cys Ala Thr Leu Arg  
1 5 10 15  
Ala Val Thr Leu Thr Ala Lys Val Cys Ser Phe Thr Pro Glu Pro Ala  
20 25 30  
Arg Pro Arg Thr His Gln Lys Glu Xaa Thr Pro Asn Thr Ser Glu His  
35 40 45  
Gln Lys Glu  
50

<210> 7142

<211> 174

<212> PRT

<213> Homo sapiens

<400> 7142

Met Xaa Ile Thr Ser Thr Arg Lys Pro Pro Ser Pro Glu Gly Ala Lys  
1 5 10 15  
Arg Ala His Pro Gly Asp Pro Thr Met Asn Val Ser Val Ala Gly Ala  
20 25 30  
Gln Gly Gln Xaa Pro Trp Pro Glu Arg Val Pro Leu Glu Val Arg Gly  
35 40 45  
Ser Trp Asp Thr Gln His Ser His Gln Pro  
50 55

<210> 7143

<211> 180

<212> PRT

<213> Homo sapiens

<400> 7143

Met Glu Tyr Ile Tyr Ile Xaa Phe Ile Leu Phe Tyr Phe Phe Glu Met  
1 5 10 15  
Asn Ser Cys Cys Phe Ala Gln Ala Gly Val Gln Trp Arg Asp Leu Gly  
20 25 30  
Ser Leu Gln Pro Xaa Ser Pro Gly Phe Lys Gln Phe Ser Cys Leu Ser  
35 40 45

Leu Leu Ser Ser Trp Asp Tyr Arg His Pro Pro Pro  
50 55 60

<210> 7144  
<211> 351  
<212> PRT  
<213> Homo sapiens

<400> 7144  
Met Glu Ile Leu Ala Lys Ala Lys Ala Asp Met Thr Ile Val Asp Asn  
1 5 10 15  
Glu Gly Lys Gly Val Leu Phe Tyr Cys Ile Leu Pro Thr Lys Arg His  
20 25 30  
Tyr Arg Cys Ala Leu Ile Ala Leu Glu His Gly Ala Asp Val Asn Asn  
35 40 45  
Ser Thr Tyr Glu Gly Lys Pro Ile Phe Leu Arg Ala Cys Glu Asp Ala  
50 55 60  
His Asp Val Lys Asp Val Cys Leu Thr Phe Leu Glu Lys Gly Ala Asn  
65 70 75 80  
Pro Asn Ala Ile Asn Ser Ser Thr Gly Arg Thr Ala Leu Met Glu Ala  
85 90 95  
Ser Arg Glu Xaa Val Val Glu Ile Val Arg Gly Ile Leu Glu Arg Xaa  
100 105 110  
Gly Glu Val Asn Ala  
115

<210> 7145  
<211> 153  
<212> PRT  
<213> Homo sapiens

<400> 7145  
Met Gly Phe Leu His Val Gly Arg Gly Trp Ser Gln Thr Arg Pro Arg  
1 5 10 15  
Val Ile His Pro Pro Gly Pro Pro Lys Val Leu Gly Leu Gln Xaa Trp  
20 25 30  
Ala Thr Val Pro Gly Arg Phe Leu Phe Phe Lys Lys Leu His Asp Lys  
35 40 45  
Gln Gln Pro  
50

<210> 7146  
<211> 153  
<212> PRT  
<213> Homo sapiens

<400> 7146  
Met Asp Glu Thr Glu Trp Ile His Arg His Pro Lys Ala Glu Asp Leu  
1 5 10 15  
Arg Val Gly Leu Ile Ser Trp Ala Gly Thr Tyr Xaa Thr Phe Glu Ala  
20 25 30  
Cys Lys Asn Thr Val Thr Ala Thr Ala Lys Ser Leu Gly Arg Arg Gln  
35 40 45  
Thr Trp Glu

50

<210> 7147  
 <211> 273  
 <212> PRT  
 <213> Homo sapiens

<400> 7147  
 Met Leu Val Pro Thr Leu Pro Ala Ala Gly Xaa Xaa Pro Pro Pro Thr  
 1 5 10 15  
 Thr Glu Ala Gly Ala Arg Leu Phe Asp Leu Xaa Leu Pro Arg Gly Glu  
 20 25 30  
 Pro Lys Ser Gln Ser His Val Phe His Arg Trp Xaa Xaa His Leu Pro  
 35 40 45  
 Arg Val Leu Leu Gly Cys Cys Ala Xaa Trp Ala Ser Cys Ser Cys Ser  
 50 55 60  
 Phe Gln Gly Pro Leu Pro Phe Pro Pro Val Cys Thr Xaa Pro Gly Ser  
 65 70 75 80  
 Ala Leu Arg Thr Leu Pro Ser Ala Val Glu Arg  
 85 90

<210> 7148  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens

<400> 7148  
 Met Xaa Thr Arg Leu Thr Asn Arg Xaa Ser His Ser Val Thr Phe Gly  
 1 5 10 15  
 Val Asn Glu Ala Pro Asp Leu Ser Glu Val Ala Val Xaa Xaa Arg His  
 20 25 30  
 Ile Leu Asn Ala Gly Trp Thr Pro Xaa Ala Ala Arg Ser Leu Trp Trp  
 35 40 45  
 Arg Phe Leu Ile Ser Gly Gly Lys Glu Asn Thr Leu Thr Ser Arg Arg  
 50 55 60  
 Gly Xaa Glu Lys Tyr Asp Leu Lys Xaa Leu Leu Tyr Xaa Thr Thr Ser  
 65 70 75 80

<210> 7149  
 <211> 225  
 <212> PRT  
 <213> Homo sapiens

<400> 7149  
 Met Ala Lys Asp Ile Leu Gly Glu Ala Gly Leu His Phe Asp Glu Leu  
 1 5 10 15  
 Asn Lys Leu Arg Val Leu Asp Pro Glu Val Thr Gln Gln Thr Ile Glu  
 20 25 30  
 Leu Lys Glu Glu Cys Lys Asp Phe Val Asp Lys Ile Gly Gln Phe Gln  
 35 40 45  
 Lys Ile Val Gly Gly Leu Ile Glu Leu Val Asp Gln Leu Ala Lys Glu  
 50 55 60  
 Ala Glu Asn Glu Lys Met Lys Ala Ile Gly Ala  
 65 70 75

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<210> 7150  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 7150  
 Met Gly Ile Lys Asn Ser Ser Glu Ala Gly Xaa Lys Thr Ser Xaa Lys  
 1 5 10 15  
 Arg Tyr Leu Pro Tyr Thr Gln Arg Lys Glu Ala Phe Leu Ser Ser Lys  
 20 25 30  
 Xaa Gln Lys Cys Gln Glu Glu Ser Glu Gln Thr Gly Phe Ala Lys Phe  
 35 40 45  
 Phe Ser Ile Thr Thr Val Arg Xaa Tyr His  
 50 55

<210> 7151  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7151  
 Met Trp His Met Met Xaa Val Xaa Val Thr Met Glu Lys Glu Gly Gly  
 1 5 10 15  
 Xaa Asn Thr Phe Lys Xaa Xaa Xaa Lys Xaa Asn Ser Thr Ser Gln Arg  
 20 25 30  
 Val His Thr Asn Met Leu Arg Cys Leu Xaa Cys Asn Lys Gln His Val  
 35 40 45  
 Arg Arg Leu Ala Phe Cys Arg Asn Pro Phe Ser Val Leu Pro  
 50 55 60

<210> 7152  
 <211> 231  
 <212> PRT  
 <213> Homo sapiens

<400> 7152  
 Met Val Ser His Thr Phe His Met Arg Thr Glu Glu Ser Asp Ala Ser  
 1 5 10 15  
 Gln Glu Gly Asp Asp Leu Pro Lys Ser Ser Ala Asn Thr Ser His Pro  
 20 25 30  
 Lys Gln Asp Asp Ser Pro Lys Ser Ser Glu Glu Thr Ile Gln Pro Lys  
 35 40 45  
 Glu Gly Asp Xaa Xaa Xaa Xaa Pro Glu Glu Thr Ile Gln Ser Lys Lys  
 50 55 60  
 Glu Asp Leu Pro Lys Ser Ser Glu Lys Ala Thr Gln Pro  
 65 70 75

<210> 7153  
 <211> 228  
 <212> PRT  
 <213> Homo sapiens

<400> 7153



Met Pro Arg Ser Ser Arg Ser Pro Gly Asp Pro Gly Ala Leu Leu Glu  
 1 5 10 15  
 Asp Val Ala Xaa Asn Pro Arg Pro Arg Ile Ala Gln Arg Gly Arg  
 20 25 30  
 Asn Thr Ser Arg Met Ala Asp Asp Thr Ser Pro Xaa Met Asn Asp Asn  
 35 40 45  
 Ile Leu Leu Pro Val Xaa Xaa Asn Asp Gln Ala Leu Gly Leu Thr Gln  
 50 55 60  
 Cys Met Leu Gly Cys Val Ser Trp Phe Thr Cys Phe  
 65 70 75

<210> 7154  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 7154  
 Met Lys Val Asn Val Arg Leu Ser Val Gln Arg Val Pro Thr Lys Asp  
 1 5 10 15  
 Glu Ala Gly Leu Ala Ser Trp Lys Gly Lys Tyr Val Thr Gly Val Ser  
 20 25 30  
 Trp Asn Arg Arg Ser Leu Thr Val Lys Glu Asp Ser Ser Phe Ser Ser  
 35 40 45  
 Arg Lys Met Met Thr Gly Ile Met Gly Thr Leu Gly Trp Gly Arg Val  
 50 55 60  
 Tyr Val Trp Lys Arg Lys Glu  
 65 70

<210> 7155  
 <211> 231  
 <212> PRT  
 <213> Homo sapiens

<400> 7155  
 Met Ser Pro Gln Asn Phe Gln Pro Arg Pro Phe Gln Leu Lys Ala Pro  
 1 5 10 15  
 Cys Lys Lys Leu Phe Ala Arg Lys Met Lys Ile Leu Gly Thr Ile Gln  
 20 25 30  
 Xaa Leu Phe Gly Ile Met Xaa Phe Ser Phe Gly Val Ile Phe Leu Xaa  
 35 40 45  
 Thr Leu Xaa Lys Pro Tyr Pro Arg Phe Pro Phe Ile Phe Leu Ser Xaa  
 50 55 60  
 Tyr Pro Phe Trp Gly Ser Val Leu Phe Ile Asn Ser Gly  
 65 70 75

<210> 7156  
 <211> 255  
 <212> PRT  
 <213> Homo sapiens

<400> 7156  
 Met Glu Val Ala Gly Gly Ala Cys Trp Glu Ser Arg Glu Gly Ser Gly  
 1 5 10 15  
 Ala Gly Asn Xaa Gln Ala Xaa Ser Lys Glu Ile Ser Lys Xaa Gly Pro

	20						25					30							
Gly	Thr	Arg	Val	Thr	Ala	Glu	Met	Gly	Met	Xaa	Ser	Ser	Cys	Pro	Thr				
	35						40					45							
Xaa	Met	Glu	Gly	Gln	Val	Gln	Trp	Leu	Thr	Pro	Val	Thr	Pro	Ala	Leu				
	50					55					60								
Leu	Glu	Ala	Glu	Met	Gly	Gly	Ser	Leu	Glu	Thr	Arg	Ser	Ser	Arg	Pro				
65					70					75					80				
Ala	Arg	Arg	Cys	Tyr															
				85															

<210> 7157  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

Met	Asn	Ser	Ser	Phe	Phe	Phe	Asn	Phe	Phe	Tyr	Leu	Phe	Tyr	Phe	Phe				
1				5					10					15					
Ile	Phe	Tyr	Phe	Tyr	Tyr	Tyr	Tyr	Tyr	Phe	Xaa	Tyr	Thr	Xaa	Ser	Phe				
			20				25						30						
Arg	Val	His	Val	His	Ile	Val	Gln	Val	Ser	Tyr	Ile	Cys	Ile	His	Val				
		35				40						45							
Pro	Cys	Trp	Cys	Thr	Ala	Pro	Thr	Asn	Leu	Ser	Ser	Ser	Leu	Arg	Tyr				
	50					55					60								
Ile	Ser	Gln	Cys	Tyr	Pro	Ser	Pro	Leu											
65					70														

<210> 7158  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

Met	Glu	Val	Asn	Gly	Ile	Asn	Thr	Ser	Ala	Gly	Glu	Trp	Asn	Gly	Met				
1			5						10					15					
Glu	Cys	Asn	Gly	Met	Glu	Ser	Ser	Gly	Met	Glu	Trp	Asn	Gly	Met	Glu				
		20					25						30						
Ser	Thr	Pro	Leu	Gln	Trp	Asn	Gly	Met	Glu	Trp	Asn	Gly	Ile	Glu	Trp				
		35				40						45							
Asn	Gly	Ile	Asn	Pro	Met														
	50																		

<210> 7159  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

Met	Asn	Asp	Gly	Phe	Phe	Leu	Lys	Val	Thr	Ala	Leu	Thr	Gln	Lys	Pro				
1			5						10					15					
Asp	Val	Tyr	Ile	Pro	Glu	Thr	Leu	Glu	Pro	Gly	Xaa	Pro	Val	Thr	Val				
		20					25						30						
Ile	Cys	Val	Phe	Asn	Trp	Ala	Phe	Glu	Glu	Cys	Pro	Pro	Pro	Ser	Phe				
	35					40						45							

Ser Trp Thr Gly Ala Ala Leu Ser Ser Gln Gly Thr Lys Pro Thr Thr  
 50 55 60

<210> 7160  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 7160  
 Met Pro Arg Gln His Lys Gln Asp Pro Gly Thr Pro Thr Gly Tyr Gly  
 1 5 10 15  
 Ala Val Pro Gln Ser Gln Gly Pro Gly Phe Leu Pro Arg Glu Val Arg  
 20 25 30  
 Xaa Lys Asp Asn Phe Ser Leu Leu Pro Leu Ser Ser Pro Asp Thr Asp  
 35 40 45  
 Leu Pro Thr Leu Tyr Leu Pro Leu Leu Leu Pro Asn Pro  
 50 55 60

<210> 7161  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 7161  
 Met Gln Thr Asn Glu Arg Arg Gln Val Gly Pro Pro Ser Phe Val Pro  
 1 5 10 15  
 Asp Ser Pro Ser Ile Pro Val Gly Ser Pro Asn Phe Ser Ser Val Lys  
 20 25 30  
 Gln Gly His Gly Asn Leu Ser Gly Thr Ser Phe Gln Gln Ser Pro Val  
 35 40 45  
 Arg Pro Ser Phe Thr Pro Ala Leu Pro Ala Ala  
 50 55

<210> 7162  
 <211> 204  
 <212> PRT  
 <213> Homo sapiens

<400> 7162  
 Met Val Leu Trp Gly Glu Trp Val Gly Val Gly Arg Pro Gly Ala Pro  
 1 5 10 15  
 Gln Pro Ser Gly Ser Ser Leu Ala Leu Arg Val Thr Gly Thr Pro Gly  
 20 25 30  
 Pro Thr Gln Gln Val Thr Phe Ile Trp Pro His Gly Leu Cys Phe Cys  
 35 40 45  
 Leu Arg Pro Pro Glu Gln Gln Gly Leu Asp Leu His Gln Ser Pro Pro  
 50 55 60  
 Ser His Ala Tyr  
 65

<210> 7163  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 7163

Met Pro Gly Leu Leu Asp Phe Ile Ser Ser Glu Ile Tyr Thr Lys Pro  
 1 5 10 15  
 Lys Ile Ile Ser Leu Leu Thr Ile Ile Ile Met Ile Ser Ile Cys  
 20 25 30  
 Phe Tyr Tyr Gln Asp Arg Ser Ile Asn Val Gln Cys Val Val Cys Val  
 35 40 45  
 Phe Thr His Leu Pro Phe Thr Val Ser  
 50 55

<210> 7164

<211> 174

<212> PRT

<213> Homo sapiens

<400> 7164

Met Arg Arg Gln Ile Lys Met Lys Asn Lys His Ile Phe Phe Thr Lys  
 1 5 10 15  
 Glu Ser Glu Lys Pro Phe Phe Lys Lys Ser Lys Ile Leu Ser Lys Val  
 20 25 30  
 Glu Lys Phe Leu Thr Trp Val Asn Lys Pro Met Asp Glu Glu Ala Ser  
 35 40 45  
 Gln Glu Ser Ser Ser His Xaa Xaa Val His  
 50 55

<210> 7165

<211> 159

<212> PRT

<213> Homo sapiens

<400> 7165

Met Ser Pro Ser Leu Glu Cys Ser Gly Ala Ile Ser Ala His Cys Asn  
 1 5 10 15  
 Leu Arg Leu Leu Gly Ser Gly Asp Ser Pro Ala Ser Ala Ser Arg Val  
 20 25 30  
 Ser Gly Ile Ala Ala Met Arg Leu His Ala Gln Leu Ile Phe Val Phe  
 35 40 45  
 Ser Val Glu Thr Asp  
 50

<210> 7166

<211> 168

<212> PRT

<213> Homo sapiens

<400> 7166

Met Ile Gly Leu Asp Arg Glu Cys Gln Ser Lys Tyr Leu Trp Asp Ala  
 1 5 10 15  
 Glu Met Lys Ile Phe Asn Phe Leu Ser Asn Lys Val Asp Pro Glu Pro  
 20 25 30  
 Gly Arg Lys Thr Glu Ala Lys Ile Gln Ile Leu Glu Thr Leu Met Gln  
 35 40 45  
 Gly Leu Phe Phe Phe Phe Phe

50

55

<210> 7167  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 7167  
 Met Asn Glu Asn Ile Asp Ile Leu Glu Thr Ala Ile Lys Gln Ala Ala  
 1 5 10 15  
 Glu Gln Gly Ala Arg Ile Ile Val Thr Pro Glu Asp Ala Leu Tyr Gly  
 20 25 30  
 Trp Lys Phe Thr Arg Glu Thr Val Phe Pro Tyr Leu Glu Asp Ile Pro  
 35 40 45  
 Asp Pro Gln Val Asn Trp Ile Pro Cys Gln Thr Pro  
 50 55 60

<210> 7168  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 7168  
 Met Asp Ser Lys Gly Glu Glu Ser Lys Ile Ser Tyr Pro Asn Ile Phe  
 1 5 10 15  
 Phe Met Ile Asp Ser Xaa Glu Glu Val Phe Ser Asp Met Thr Val Gly  
 20 25 30  
 Lys Glu Arg Trp Ser Val Trp Ser Trp Trp Leu Val Thr Lys Pro Thr  
 35 40 45  
 Arg Ser Arg Gly Ser Ser Phe Arg Ala Pro Ser Ala Thr Arg Arg  
 50 55 60

<210> 7169  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens

<400> 7169  
 Met Gln Met Arg Val Leu Cys Leu Phe Leu Asn Tyr Thr Lys Gln Met  
 1 5 10 15  
 Gly Arg Ser Ser Glu Gly Arg Xaa Ala Ser Ser Leu Pro Gly Lys Ala  
 20 25 30  
 Leu Phe Ser Leu Pro Met Lys Ala Ala Val Leu Thr Val Lys Glu Thr  
 35 40 45  
 Val Ser Gln Leu Cys Leu Pro Ala Val Gly Thr Thr Ile Tyr Asp Arg  
 50 55 60  
 Glu Ala  
 65

<210> 7170  
 <211> 372  
 <212> PRT  
 <213> Homo sapiens

<400> 7170  
 Met Gly Glu Xaa Lys Val His Arg Val Arg Phe Phe Asn Tyr Val Pro  
 1 5 10 15  
 Ser Gly Ile Arg Cys Val Ala Tyr Asn Asn Gln Ser Asn Arg Leu Ala  
 20 25 30  
 Val Ser Arg Thr Asp Gly Thr Val Glu Ile Tyr Asn Leu Ser Ala Asn  
 35 40 45  
 Tyr Phe Gln Glu Lys Phe Phe Pro Gly His Glu Ser Arg Ala Thr Glu  
 50 55 60  
 Ala Leu Cys Trp Ala Glu Gly Gln Arg Leu Phe Ser Ala Gly Leu Asn  
 65 70 75 80  
 Gly Glu Ile Met Glu Tyr Asp Leu Gln Ala Leu Asn Ile Lys Tyr Ala  
 85 90 95  
 Met Asp Ala Phe Gly Gly Pro Ile Trp Ser Met Ala Ala Ser Pro Ser  
 100 105 110  
 Gly Ser Gln Leu Leu Val Gly Cys Glu Asp Gly Ser  
 115 120

<210> 7171  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 7171  
 Met Asn Ile Ser Val Asp Leu Glu Thr Asn Tyr Ala Glu Leu Val Leu  
 1 5 10 15  
 Asp Val Gly Arg Val Thr Leu Gly Glu Asn Ser Arg Lys Lys Met Lys  
 20 25 30  
 Asp Cys Lys Leu Arg Lys Lys Gln Asn Glu Arg Val Ser Arg Ala Met  
 35 40 45  
 Cys Ala Leu Leu Asn Ser Gly Gly Gly  
 50 55

<210> 7172  
 <211> 306  
 <212> PRT  
 <213> Homo sapiens

<400> 7172  
 Met Gly Asp Lys Lys Ser Pro Thr Arg Pro Lys Arg Gln Pro Lys Pro  
 1 5 10 15  
 Ser Ser Asp Glu Gly Tyr Trp Asp Cys Ser Val Cys Thr Phe Arg Asn  
 20 25 30  
 Ser Ala Glu Ala Phe Lys Cys Met Met Cys Asp Val Arg Lys Gly Thr  
 35 40 45  
 Ser Thr Arg Lys Pro Arg Pro Val Ser Gln Leu Val Ala Gln Gln Val  
 50 55 60  
 Thr Gln Gln Phe Val Pro Pro Thr Gln Ser Lys Lys Glu Lys Lys Asp  
 65 70 75 80  
 Lys Val Glu Lys Glu Lys Ser Glu Lys Glu Thr Thr Ser Lys Lys Asn  
 85 90 95  
 Ser His Lys Xaa Thr Ser  
 100

<210> 7173  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 7173  
 Met Ser Glu Leu Pro Ser Tyr Gly Glu Met Ala Ala Glu Lys Leu Xaa  
 1 5 10 15  
 Xaa Arg Ser Lys Ala Ser Gly Asp Glu Asn Asp Asn Ile Glu Ile Asp  
 20 25 30  
 Thr Asn Glu Glu Ile Pro Xaa Gly Phe Val Val Gly Gly Gly Asp Glu  
 35 40 45  
 Leu Thr Asn Leu Glu Asn Asp Leu Asp Thr Pro Glu Gln  
 50 55 60

<210> 7174  
 <211> 234  
 <212> PRT  
 <213> Homo sapiens

<400> 7174  
 Met Leu Tyr Phe Leu Phe Ile Tyr Leu Phe Ile Phe Lys Phe Phe Leu  
 1 5 10 15  
 Phe Ile Phe Phe Leu Phe Phe Ser Phe Phe Asn Tyr Tyr Tyr Thr Leu  
 20 25 30  
 Ser Phe Arg Val His Val His Asn Val Gln Val Thr Tyr Ile Cys Ile  
 35 40 45  
 His Val Pro Cys Trp Cys Ala Ala Pro Thr Asn Ser Ser Ser Ser Ile  
 50 55 60  
 Met Tyr Ile Ser Trp Cys Tyr Pro Cys Pro Leu Pro Pro Pro  
 65 70 75

<210> 7175  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 7175  
 Met Arg Pro Glu Xaa Pro Ser Pro Ser Phe Gly Gly Phe Val Ser Thr  
 1 5 10 15  
 Leu Ser Glu Ala Ser Ile Arg Lys Leu Asp Pro Asp Thr Ser Asp Cys  
 20 25 30  
 Thr Pro Glu Lys Asp Leu Thr Pro Thr Gln Cys Val Xaa Arg Asp Val  
 35 40 45  
 Val Pro Leu Gly Gly Gln Gly Gly Gly Gly Pro Ser Pro Ser Pro Gly  
 50 55 60  
 Gly Glu Pro Pro Pro  
 65

<210> 7176  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

004220 666560

<400> 7176

Met Asn Arg His Phe Ser Lys Xaa Asp Ile Tyr Ala Ala Asn Arg His  
1 5 10 15  
Thr Lys Lys Cys Ser Ser Ser Leu Ala Ile Arg Glu Met Gln Ile Lys  
20 25 30  
Thr Thr Met Arg Tyr His Leu Thr Pro Val Arg Met Ala Ile Ile Lys  
35 40 45  
Lys Ser Gly Asn Asn Arg Cys Trp Arg Gly Cys Gly Glu Ile Glu Thr  
50 55 60  
Leu Leu His Cys Trp  
65

<210> 7177

<211> 156

<212> PRT

<213> Homo sapiens

<400> 7177

Met Asn Arg His Phe Ser Lys Glu Asp Ile Tyr Ala Ala Asn Arg His  
1 5 10 15  
Thr Lys Lys Cys Ser Ser Ser Leu Ala Ile Arg Xaa Met Gln Ile Xaa  
20 25 30  
Thr Xaa Met Arg Tyr His Leu Xaa Pro Val Arg Met Ala Xaa Ile Lys  
35 40 45  
Lys Ser Gly Thr  
50

<210> 7178

<211> 264

<212> PRT

<213> Homo sapiens

<400> 7178

Met Gly Leu Trp Leu Cys Ser Gly Ser Ser Arg His Leu Val Leu His  
1 5 10 15  
Ser Gly Trp Lys Ser Ala Arg Ser Ala Arg Ser Asp Gly Asp Ala Glu  
20 25 30  
Pro Ala Gly Ala Ser Trp Ala Gly Pro Asp Gln Pro Ala Ser Gly Asp  
35 40 45  
Ala Leu Ser Ser Thr Gly Leu His Gly Gln Gly Leu Trp Val Leu Val  
50 55 60  
Lys Glu Val His Pro Gln Ala Trp Ala Val Ala Ser Cys Leu Pro Leu  
65 70 75 80  
Gly Ser Arg Thr Arg Leu Trp Ser  
85

<210> 7179

<211> 201

<212> PRT

<213> Homo sapiens

<400> 7179

Met Ser Phe Ile Ile Ser Ile Glu Ser Phe Leu Ser Leu Met Lys Thr  
1 5 10 15



004309-03400

Ala Gly Gly Xaa Ser Ala Ala Lys Lys Pro Glu Gly Thr Arg Ile Pro  
                   20                  25                  30  
 Val Pro Tyr Thr His His Gln Thr His Ser His Pro His Thr Phe Ser  
                   35                  40                  45  
 Asp Thr His Lys Ser Ala Cys Arg Leu Tyr Gln Thr Leu Leu Leu Leu  
           50                  55                  60  
 Pro Ala Lys  
 65

<210> 7180  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 7180  
 Met Asn Arg His Phe Ser Lys Glu Asp Ile Tyr Ala Ala Asn Arg His  
 1                  5                  10                  15  
 Thr Xaa Lys Cys Ser Ser Ser Leu Ala Ile Arg Glu Met Gln Ile Xaa  
                   20                  25                  30  
 Thr Thr Met Arg Tyr His Leu Thr Pro Val Arg Met Ala Ile Ile Lys  
                   35                  40                  45  
 Lys Ser Gly Xaa Asn Arg Cys Trp Arg Gly Cys Gly  
           50                  55                  60

<210> 7181  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 7181  
 Met Arg Arg Thr Pro Ile Gly Thr Asp Arg Asn His Asn Arg Tyr Trp  
 1                  5                  10                  15  
 Leu Phe Ser Asp Glu Val Pro Gly Leu Phe Ile Glu Lys Gly Trp Val  
                   20                  25                  30  
 His Asp Ser Ile Asp Tyr Arg Phe Asn His His Cys Lys Asp His Thr  
                   35                  40                  45  
 Val Ser Gly Asp Glu Asp Tyr Cys Pro Arg Ser Lys  
           50                  55                  60

<210> 7182  
 <211> 222  
 <212> PRT  
 <213> Homo sapiens

<400> 7182  
 Met Val Pro Glu Ala Ala Arg Gly Lys Val Phe Gln Asp Ser Gln Glu  
 1                  5                  10                  15  
 Gly Ala His Ile Arg Arg Glu Thr Val Ser Lys Ser Val Cys Ala Xaa  
                   20                  25                  30  
 Pro Trp Arg His Gln Arg Ser Arg Asp Pro Ala Pro Thr Asn Phe Pro  
                   35                  40                  45  
 Leu Lys Cys Gln Lys Gln Arg Gly Ala Ser Thr Ser Ser Gly Gln His  
           50                  55                  60  
 Gly Gly Arg Val Asn Leu Val Phe Phe Ile

65

70

<210> 7183  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 7183  
 Met Asn Arg His Phe Ser Lys Glu Asp Ile Tyr Ala Ala Asn Arg His  
 1 5 10 15  
 Thr Lys Lys Cys Ser Ser Ser Leu Ala Ile Arg Glu Met Gln Ile Lys  
 20 25 30  
 Thr Thr Met Arg Tyr His Leu Thr Pro Val Arg Met Ala Ile Ile Xaa  
 35 40 45  
 Lys Ser Gly Asn Asn Arg Cys Trp Arg Gly Cys Gly Xaa  
 50 55 60

<210> 7184  
 <211> 243  
 <212> PRT  
 <213> Homo sapiens

<400> 7184  
 Met Thr Pro Tyr Leu Asn Thr Ser Asn Arg Glu Val Lys Val Tyr Val  
 1 5 10 15  
 Cys Lys Ser Gly Arg Leu Thr Ala Ile Pro Phe Trp Tyr His Met Tyr  
 20 25 30  
 Leu Asp Glu Glu Ile Arg Leu Asp Thr Ser Ser Glu Ala Ser His Trp  
 35 40 45  
 Lys Gln Ala Ala Val Val Leu Asp Asn Pro Ile Gln Val Glu Met Gly  
 50 55 60  
 Glu Glu Leu Val Leu Ser Ile Gln His His Lys Ser Asn Val Ser Ile  
 65 70 75 80  
 Thr

<210> 7185  
 <211> 267  
 <212> PRT  
 <213> Homo sapiens

<400> 7185  
 Met Ala Gly Ser Pro Asp Gln Glu Gly Phe Phe Asn Leu Leu Ser His  
 1 5 10 15  
 Val Xaa Gly Asp Arg Met Glu Gly Gln Arg Cys Ser Leu Gln Ala Gly  
 20 25 30  
 Pro Gly Gln Thr Thr Lys Ser Gln Ser Asp Pro Thr Pro Glu Met Asp  
 35 40 45  
 Ser Leu Met Asp Met Leu Ala Ser Thr Gln Gly Arg Arg Met Asp Asp  
 50 55 60  
 Gln Arg Val Thr Val Ser Ser Leu Pro Gly Phe Gln Pro Val Gly Ser  
 65 70 75 80  
 Lys Asp Gly Ala Gln Lys Arg Ala Gly  
 85

<210> 7186  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 7186  
 Met Leu Ser Cys Pro His Pro Val Leu Ser Ile Leu Xaa Pro Pro Asp  
 1 5 10 15  
 Phe Ser Arg Ala Leu Leu Gly Gln Leu Arg Ile Ile Phe Gln Asn Val  
 20 25 30  
 Thr Leu Ser Cys Ser Val Ala Ser Phe Ser Pro Tyr Lys Gly Gly Leu  
 35 40 45  
 Asn Leu Pro Glu Phe Thr Ser Xaa Cys Phe Ser Leu Ser Leu Thr Val  
 50 55 60  
 Pro  
 65

<210> 7187  
 <211> 234  
 <212> PRT  
 <213> Homo sapiens

<400> 7187  
 Met Val Ala Glu Leu Ala Gly Gln Gln Asp Pro Gly Leu Gly Ala Phe  
 1 5 10 15  
 Ser Cys Gln Glu Ala Arg Arg Ala Trp Leu Asp Arg His Gly Asn Leu  
 20 25 30  
 Asp Glu Ala Val Glu Glu Cys Val Arg Thr Arg Arg Arg Lys Val Gln  
 35 40 45  
 Glu Leu Gln Ser Leu Gly Phe Gly Pro Glu Glu Gly Ser Leu Gln Ala  
 50 55 60  
 Leu Phe Gln His Gly Gly Asp Val Ser Arg Ala Leu Thr His  
 65 70 75

<210> 7188  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7188  
 Met Asn Arg His Phe Ser Lys Glu Asp Ile Tyr Ala Ala Asn Arg His  
 1 5 10 15  
 Thr Lys Lys Cys Ser Ser Ser Leu Ala Ile Arg Glu Met Gln Ile Lys  
 20 25 30  
 Thr Thr Met Arg Tyr His Leu Thr Pro Val Arg Met Ala Ile Ile Lys  
 35 40 45  
 Lys Ser Gly Thr  
 50

<210> 7189  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 7189

Met Cys Thr Val Asp His Gln Asp Gln Arg Asp Trp Ile Lys Asp Arg  
 1 5 10 15  
 Val Glu Gln Ile Lys Glu Tyr His His Leu His Gln Ala Val His Ala  
 20 25 30  
 Ala Lys Val Ile Leu Gln Val Lys Glu Ser Leu Gly Leu Asn Gly Asp  
 35 40 45  
 Phe Ser Val Leu Asn Thr Leu Leu Asn Phe Thr Asp Asn Phe Asp Asp  
 50 55 60  
 Phe Arg Arg Glu Thr Leu Asp Gln Ala  
 65 70

<210> 7190

<211> 165

<212> PRT

<213> Homo sapiens

<400> 7190

Met Asn Arg His Phe Ser Lys Glu Asp Ile Tyr Ala Ala Asn Arg His  
 1 5 10 15  
 Thr Lys Lys Cys Ser Ser Ser Leu Ala Ile Arg Glu Met Xaa Ile Xaa  
 20 25 30  
 Thr Thr Met Arg Tyr His Leu Thr Pro Val Arg Met Xaa Ile Ile Lys  
 35 40 45  
 Lys Ser Gly Xaa Asn Arg Cys  
 50 55

<210> 7191

<211> 201

<212> PRT

<213> Homo sapiens

<400> 7191

Met Ile Phe Pro His Cys Met Tyr Cys Leu Glu Cys Ile Thr Lys Asn  
 1 5 10 15  
 Gly Leu Leu Gly Leu Lys Val Leu Pro Leu Tyr Gly Ile Met Leu Ile  
 20 25 30  
 Phe Phe Pro Lys Val Val Tyr Asn Asn Gln Pro Leu His Tyr Lys Ser  
 35 40 45  
 Val Met Val Phe Gln Leu Thr Ser Phe Leu Ser Ile Xaa Ile Phe Val  
 50 55 60  
 Asn Pro Thr  
 65

<210> 7192

<211> 159

<212> PRT

<213> Homo sapiens

<400> 7192

Met Leu Met Asp Gly Glu Asn Gln Tyr Cys Glu Asn Asp His Thr Ala  
 1 5 10 15  
 Lys Ser Asn Leu Gln Ser Gln Cys Asn Ser His Gln Asp Ser Thr Ile  
 20 25 30

Ile Leu Leu Arg Thr Ser Lys Asn Asn Pro Lys Ile Tyr Met Glu Pro  
 35 40 45  
 Lys Lys Ser Pro Asn  
 50

<210> 7193  
 <211> 231  
 <212> PRT  
 <213> Homo sapiens

<400> 7193  
 Met Asn Arg His Phe Ser Lys Glu Asp Ile Tyr Ala Ala Asn Arg His  
 1 5 10 15  
 Thr Lys Lys Cys Ser Ser Ser Leu Ala Ile Arg Glu Met Gln Ile Lys  
 20 25 30  
 Thr Thr Met Arg Tyr His Leu Thr Pro Val Arg Met Ala Ile Ile Lys  
 35 40 45  
 Lys Ser Gly Asn Asn Arg Cys Trp Arg Gly Cys Gly Glu Ile Glu Thr  
 50 55 60  
 Leu Leu His Cys Trp Gly Ala Val Thr Ser Ser Ile Ile  
 65 70 75

<210> 7194  
 <211> 294  
 <212> PRT  
 <213> Homo sapiens

<400> 7194  
 Met Gln Arg Thr Gly Met Asn Thr Val Ser Ala Arg Glu Lys Leu Ser  
 1 5 10 15  
 Ala Phe Val Arg Lys Phe Pro Phe Trp Gln Lys Arg Ile Glu Lys Arg  
 20 25 30  
 Asn Phe Thr Asn Phe Pro Phe Leu Glu Glu Ile Ile Val Ser Asp Asn  
 35 40 45  
 Glu Gly Ile Phe Ile Ala Ala Glu Ile Thr Leu His Leu Gln Gln Leu  
 50 55 60  
 Ser Asn Phe Phe His Gly Tyr Phe Ser Ile Gly Asp Leu Asn Glu Ala  
 65 70 75 80  
 Ser Lys Trp Ile Leu Asp Pro Phe Leu Phe Asn Ile Asp Phe Val Asp  
 85 90 95  
 Asp Ser

<210> 7195  
 <211> 270  
 <212> PRT  
 <213> Homo sapiens

<400> 7195  
 Met Gly Asp Xaa Phe Thr Ile Xaa Leu Ser Xaa Lys Gly Leu Ile Ser  
 1 5 10 15  
 Arg Ile Tyr Lys Glu Leu Xaa Gln Ile Tyr Lys Lys Arg Thr Asn Asn  
 20 25 30  
 Pro Ile Lys Lys Trp Ala Lys Asp Met Asn Arg His Phe Ser Lys Glu  
 35 40 45

Asp Ile Tyr Ala Ala Asn Arg His Thr Lys Lys Cys Ser Ser Ser Leu  
 50 55 60  
 Ala Ile Arg Xaa Met Gln Ile Xaa Xaa Thr Met Arg Tyr His Leu Thr  
 65 70 75 80  
 Pro Val Arg Met Ala Ile Ile Lys Lys Ser  
 85 90

<210> 7196  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 7196  
 Met Ser Thr Cys Thr Pro Met Phe Thr Ala Ala Ser Leu Ser Leu Ser  
 1 5 10 15  
 Phe Phe Ile Ser Pro Phe Leu Pro Ser Phe Leu Ser Gln Thr Pro Thr  
 20 25 30  
 Leu Leu Pro Arg Leu Xaa Cys Ser Ala Val Ile Ser Gly Arg Cys Asn  
 35 40 45  
 Leu Arg Phe Pro Gly Ser Gly Asp Ser His Ala Ser Ala Ser Gln Glu  
 50 55 60  
 Ala Gly Ile Thr Asp Ala Pro  
 65 70

<210> 7197  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 7197  
 Met Asn Arg His Phe Ser Lys Glu Asp Ile Tyr Ala Ala Asn Arg His  
 1 5 10 15  
 Thr Lys Lys Cys Ser Ser Ser Leu Ala Ile Arg Glu Met Gln Ile Lys  
 20 25 30  
 Thr Thr Met Arg Tyr His Leu Thr Pro Val Xaa Met Ala Ile Ile Lys  
 35 40 45  
 Lys Ser Gly Asn Asn Arg Cys Trp  
 50 55

<210> 7198  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 7198  
 Met Gly Gly Leu Val Ile Lys Tyr Leu Lys Lys Lys His Ser Lys Thr  
 1 5 10 15  
 Trp Pro His Pro Thr Phe Pro Gln Ala Ile Pro Phe Asp Ser Xaa Phe  
 20 25 30  
 Xaa Pro Leu His Val Glu Glu Gly Glu Gly Glu Ala Leu Lys Ala Ala  
 35 40 45  
 Ser Gly Gly Phe Gln Gly Thr Gly Gly Ala Asn His Leu  
 50 55 60

<210> 7199  
 <211> 249  
 <212> PRT  
 <213> Homo sapiens

<400> 7199  
 Met Leu Gly Leu Ile Phe Val Cys Glu Asp Leu Ile Lys Thr Pro Glu  
 1 5 10 15  
 Lys Gly Ser Asp His Ser Phe Met Ile Pro His Phe Lys Leu Ala Phe  
 20 25 30  
 Thr Tyr Tyr Phe Leu Thr Leu Gln Gln Tyr Val Tyr Lys Phe Val Val  
 35 40 45  
 Tyr Leu Ala Val Glu Phe Pro Lys Asn Arg His Cys His Phe Ile Gly  
 50 55 60  
 Ala Gln Gly Gln Leu Glu Leu Ile Ile Ile Pro Asn Phe Lys Ile Ser  
 65 70 75 80  
 Val Glu Asn

<210> 7200  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 7200  
 Met Asn Arg His Phe Ser Lys Glu Asp Ile Tyr Ala Ala Asn Arg His  
 1 5 10 15  
 Thr Lys Lys Cys Ser Ser Ser Leu Ala Ile Arg Glu Met Gln Ile Lys  
 20 25 30  
 Thr Thr Met Arg Tyr His Leu Thr Pro Val Arg Met Ala Ile Ile Lys  
 35 40 45  
 Lys Ser Gly Asn Asn Arg Cys Trp Arg Gly Cys Gly Glu Ile Glu Xaa  
 50 55 60  
 Leu Leu His Cys Xaa Xaa Asp Cys Lys Leu Val Gln Ser Leu Trp Lys  
 65 70 75 80  
 Thr Val

<210> 7201  
 <211> 351  
 <212> PRT  
 <213> Homo sapiens

<400> 7201  
 Met Val Lys Ala Pro Gln Ser Glu Glu Arg Leu Ala Arg Gly Gly Lys  
 1 5 10 15  
 Glu Asn Asn Ser Val Leu Asp Arg Val Ser His Cys His Pro Gly Trp  
 20 25 30  
 Ser Ala Val Val Gln Pro His Leu Pro Gly Ser Ser Asn Ser His Ala  
 35 40 45  
 Ser Ala Ser Gln Val Ala Gly Ile Thr Gly Ser Ser Tyr Arg Arg Val  
 50 55 60  
 Ser Cys Ser Pro Thr Pro Thr Ile Val Xaa Thr Gly Asp Ala Thr Ser  
 65 70 75 80  
 Pro Glu Gly Glu Thr Xaa Lys Asn Leu Ala Asn Arg Val His Ser Pro  
 85 90 95

His Lys Arg Leu Ser His Arg His Xaa Lys Val Ser Thr Ala Ser Leu  
 100 105 110  
 Thr Ser Val Asp Pro  
 115

<210> 7202  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 7202  
 Met Leu Phe Phe Thr Gln Cys Phe Gly Ala Val Leu Asp Leu Ile His  
 1 5 10 15  
 Leu Arg Phe Gln His Tyr Lys Ala Lys Arg Val Phe Ser Ala Ala Gly  
 20 25 30  
 Gln Leu Val Cys Val Val Asn Pro Thr His Asn Leu Lys Tyr Val Ser  
 35 40 45  
 Ser Arg Arg Ala Val Thr Gln Ser Ala Pro Glu Gln Gly Ser Phe His  
 50 55 60  
 Pro His His Leu Ser His His His Arg  
 65 70

<210> 7203  
 <211> 354  
 <212> PRT  
 <213> Homo sapiens

<400> 7203  
 Met Cys Thr Val Val Asp Pro Arg Ile Val Arg Arg Tyr Leu Leu Arg  
 1 5 10 15  
 Arg Gln Leu Gly Gln Gly Arg Thr Phe Arg Glu Ile Thr Leu Leu Gln  
 20 25 30  
 Glu Phe Gly Asp His Pro Asn Ile Ile Ser Leu Leu Asp Val Ile Arg  
 35 40 45  
 Ala Glu Asn Asp Arg Asp Ile Tyr Leu Val Phe Glu Phe Met Asp Thr  
 50 55 60  
 Asp Leu Asn Ala Val Ile Arg Lys Gly Gly Leu Leu Gln Asp Val His  
 65 70 75 80  
 Val Arg Ser Ile Phe Tyr Gln Leu Leu Arg Ala Xaa Arg Phe Leu His  
 85 90 95  
 Ser Gly His Val Val His Arg Asp Gln Lys Pro Ser Asn Val Leu Leu  
 100 105 110  
 Asp Ala Asn Cys Thr Val  
 115

<210> 7204  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 7204  
 Met Lys Lys Gly Lys Ser Thr Gly Ser Leu Leu Thr Pro Thr Arg Gly  
 1 5 10 15  
 Glu Ser Glu Lys Gln Glu Pro Thr Trp Lys Thr Lys Ile Ala Asp Arg



	20		25		30										
Leu	Lys	Leu	Arg	Pro	Arg	Ala	Pro	Ala	Asp	Asp	Met	Phe	Gly	Val	Gly
	35						40					45			
Asn	His	Lys	Val	Asn	Ala	Glu	Thr	Ala	Lys	Arg	Lys	Ser	Ile	Arg	His
	50					55					60				

<210> 7205  
 <211> 252  
 <212> PRT  
 <213> Homo sapiens

<400> 7205  
 Met Trp Ile Pro Val Val Gly Leu Pro Arg Arg Leu Arg Leu Ser Ala  
 1 5 10 15  
 Leu Ala Gly Ala Gly Arg Phe Cys Ile Leu Gly Ser Glu Ala Ala Thr  
 20 25 30  
 Arg Lys His Leu Pro Ala Arg Asn His Cys Gly Leu Ser Xaa Ser Ser  
 35 40 45  
 Pro Gln Leu Trp Pro Glu Pro Asp Phe Arg Asn Pro Pro Arg Lys Ala  
 50 55 60  
 Ser Lys Ala Ser Leu Asp Phe Lys Arg Tyr Val Xaa Asp Arg Arg Leu  
 65 70 75 80  
 Ala Glu Thr Trp

<210> 7206  
 <211> 333  
 <212> PRT  
 <213> Homo sapiens

<400> 7206  
 Met Asp Arg Phe Leu Gly Phe Val Lys Ala Ile Arg Arg Ser Arg Arg  
 1 5 10 15  
 Arg Lys Gly Lys Lys Tyr Arg Pro Glu Glu Asp Tyr His Glu Gly Tyr  
 20 25 30  
 Glu Asp Val Tyr Tyr Tyr Ala Ser Glu His Phe Arg Asn Glu Ser Pro  
 35 40 45  
 Tyr Thr Lys Ser Ala Xaa Xaa Thr Lys Pro Pro Asp Gly Ala Leu Ala  
 50 55 60  
 Val Arg Arg Gln Xaa Ile Pro Glu Glu Phe Lys Gly Ser Thr Val Val  
 65 70 75 80  
 Glu Leu Met Lys Lys Glu Gly Thr Thr Leu Gly Leu Thr Val Ser Gly  
 85 90 95  
 Gly Ile Asp Lys Xaa Gly Lys Pro Arg Val Ser Asn Leu Arg Gln  
 100 105 110

<210> 7207  
 <211> 225  
 <212> PRT  
 <213> Homo sapiens

<400> 7207  
 Met Gly Pro Ala Ala Leu Gly Thr Glu Gly Val Ala Pro Ser Pro Ala  
 1 5 10 15  
 Leu Leu Pro Leu Pro Xaa Pro Ser His Arg Thr Leu Phe Pro His Pro



Ala Val Glu Cys Leu Gln Gln Ile Ser Thr Thr Phe Thr Pro  
65 70 75

<210> 7211  
<211> 249  
<212> PRT  
<213> Homo sapiens

<400> 7211  
Met Phe Asp Thr Thr Pro His Ser Gly Arg Ser Xaa Pro Ser Ser Ser  
1 5 10 15  
Pro Ser Leu Arg Lys Arg Leu Gln Leu Leu Pro Pro Xaa Arg Pro Pro  
20 25 30  
Pro Glu Pro Glu Pro Gly Thr Met Val Glu Lys Gly Ser Asp Ser Ser  
35 40 45  
Ser Glu Lys Gly Gly Val Pro Gly Thr Pro Ser Thr Gln Ser Leu Gly  
50 55 60  
Ser Arg Asn Phe Ile Arg Asn Ser Lys Lys Met Gln Ser Trp Tyr Ser  
65 70 75 80  
Met Leu Ser

<210> 7212  
<211> 165  
<212> PRT  
<213> Homo sapiens

<400> 7212  
Met Glu Lys His Ser Met Leu Met Asp Arg Lys Ile Asn Ile Met Lys  
1 5 10 15  
Met Ala Ile Leu Pro Lys Val Ile Tyr Arg Phe Asn Ala Ile Pro Ile  
20 25 30  
Lys Leu Pro Leu Thr Phe Phe Thr Glu Leu Glu Lys Thr Lys Phe His  
35 40 45  
Met Glu Pro Lys Lys Ser Ala  
50 55

<210> 7213  
<211> 192  
<212> PRT  
<213> Homo sapiens

<400> 7213  
Met Glu Asp Gly Gly Xaa Thr Ala Phe Glu Glu Asp Gln Arg Cys Leu  
1 5 10 15  
Ser Gln Ser Leu Pro Leu Pro Val Ser Ala Xaa Gly Pro Ala Ala Gln  
20 25 30  
Thr Thr Ala Glu Pro Ser Arg Ser Phe Ser Ser Ala His Arg His Leu  
35 40 45  
Ser Arg Arg Asn Gly Leu Ser Arg Xaa Cys Gln Ser Arg Thr Ala Leu  
50 55 60

<210> 7214  
<211> 387  
<212> PRT

<213> Homo sapiens

<400> 7214

Met Asp Arg His Phe Ser Lys Glu Asp Ile Tyr Ala Ala Lys Lys His  
1 5 10 15  
Met Lys Lys Cys Ser Ser Ser Leu Ala Ile Arg Glu Met Gln Ile Lys  
20 25 30  
Thr Thr Met Arg Tyr His Leu Thr Pro Val Arg Met Ala Ile Ile Lys  
35 40 45  
Lys Ser Gly Asn Asn Arg Cys Trp Arg Gly Cys Gly Glu Ile Arg Thr  
50 55 60  
Leu Leu His Cys Trp Trp Asp Cys Lys Leu Val Gln Pro Leu Trp Lys  
65 70 75 80  
Ser Val Trp Gln Phe Leu Arg Asp Leu Glu Leu Glu Ile Pro Phe Asp  
85 90 95  
Pro Ala Ile Pro Leu Leu Gly Ile Tyr Pro Lys Xaa Tyr Lys Ser Cys  
100 105 110  
Cys Tyr Lys Asp Thr Cys Thr His Met Phe Ile Ala Ala Leu Phe Thr  
115 120 125  
Ile

<210> 7215

<211> 252

<212> PRT

<213> Homo sapiens

<400> 7215

Met Asn Ala Xaa Ser Glu Gly Xaa Ser Phe Ala Gly Ser Val Gln Ile  
1 5 10 15  
Pro Gly Gly Thr Thr Val Leu Val Glu Leu Thr Pro Asp Ile His Ile  
20 25 30  
Cys Gly Ile Cys Lys Gln Gln Phe Asn Asn Leu Asp Ala Phe Val Ala  
35 40 45  
His Lys Gln Ser Gly Cys Gln Leu Thr Gly Thr Ser Ala Ala Ala Pro  
50 55 60  
Ser Thr Val Gln Phe Val Ser Glu Glu Thr Val Pro Ala Thr Gln Thr  
65 70 75 80  
Gln Thr Thr Thr

<210> 7216

<211> 207

<212> PRT

<213> Homo sapiens

<400> 7216

Met Asp Glu Asn Met Asp Glu Ser Asp Lys Arg Lys Cys Ser Arg Ser  
1 5 10 15  
Pro Lys Lys Ile Lys Ile Glu Pro Asp Ser Glu Lys Asp Glu Val Lys  
20 25 30  
Gly Ser Asp Ala Ala Lys Gly Ala Asp Gln Asn Glu Met Asp Ile Ser  
35 40 45  
Lys Ile Thr Glu Lys Lys Asp Gln Asp Val Lys Glu Leu Leu Asp Ser  
50 55 60  
Asp Ser Asp Lys Pro

65

<210> 7217

<211> 168

<212> PRT

<213> Homo sapiens

<400> 7217

Met Phe Pro Ser Leu Cys Pro Tyr Val Leu Ile Val Gln Leu Pro Leu  
1 5 10 15  
Met Ser Glu Asn Met Gln Cys Leu Val Phe Cys Ser Cys Val Ser Leu  
20 25 30  
Leu Arg Met Met Val Ser Ser Val Ile His Asp Pro Ala Lys Asp Met  
35 40 45  
Asn Ser Ser Phe Phe Met Ala Ala  
50 55

<210> 7218

<211> 189

<212> PRT

<213> Homo sapiens

<400> 7218

Met Ser Met Phe Ser Ser Pro Thr Trp Thr Pro Ala Thr Cys Val Asp  
1 5 10 15  
Val Glu Leu Gly Thr Ala Leu Glu Ala Ser Leu Thr Phe Leu Tyr Ser  
20 25 30  
Gly Ile Phe Ser Ser Ser Gln Asn Gly Ser Ser Gln Leu Thr Tyr Leu  
35 40 45  
Gln Gly His Arg Cys Phe Cys Gln Thr Lys Pro Asp Val Lys Leu  
50 55 60

<210> 7219

<211> 183

<212> PRT

<213> Homo sapiens

<400> 7219

Met Ala Met Thr Ala Gly Thr Thr Thr Thr Phe Xaa Met Ser Asn His  
1 5 10 15  
Thr Arg Glu Arg Val Thr Val Ala Lys Leu Thr Leu Glu Asn Phe Tyr  
20 25 30  
Ser Asn Leu Ile Leu Gln His Glu Glu Arg Glu Thr Arg Gln Lys Lys  
35 40 45  
Leu Glu Val Ala Met Glu Glu Glu Gly Leu Ala Asp Asp  
50 55 60

<210> 7220

<211> 207

<212> PRT

<213> Homo sapiens

<400> 7220

Met Gly Leu Pro Thr Asp Asn Gly His Asp Ser Asp Gln Val Phe Glu

1                    5                    10                    15  
 Phe Asn Gly Thr Gln Ala Val Arg Ile Pro Asp Gly Val Xaa Ser Val  
                   20                    25                    30  
 Ser Pro Lys Glu Pro Phe Thr Ile Ser Val Trp Met Arg His Gly Pro  
                   35                    40                    45  
 Phe Gly Arg Lys Lys Glu Thr Ile Leu Cys Ser Ser Asp Lys Thr Asp  
                   50                    55                    60  
 Met Asn Arg His His  
 65

<210> 7221  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 7221  
 Met Thr Gly Asp Phe Pro Arg Pro Ala Glu Ala Pro Ser Thr Pro Thr  
 1                    5                    10                    15  
 Leu Val His Ala His Thr His Thr His Thr His Thr His Thr  
                   20                    25                    30  
 Phe Leu Ala Phe Asp Pro Leu Cys Val Xaa His Xaa Ser Tyr Leu Phe  
                   35                    40                    45  
 Leu Asn Arg Phe Thr Gln Xaa Tyr Pro Ile  
                   50                    55

<210> 7222  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 7222  
 Met Phe Asn Leu His Xaa Xaa Phe Tyr Val Arg Val Ser Trp Lys His  
 1                    5                    10                    15  
 Ser Ala Ser Arg Leu Ile Ala Ile Asp Ser Asp Met Arg Ile Asn Val  
                   20                    25                    30  
 Ile Glu Ser Leu Phe Met Val Arg Ser Thr Ser Gln Cys Leu Xaa Pro  
                   35                    40                    45  
 Gly Phe Leu Ile Leu Ser Glu Met Gly Ala Ala Ser  
                   50                    55                    60

<210> 7223  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 7223  
 Met Phe Arg Arg Trp Gly Leu Gln Leu Pro Leu Ser Cys Ser Cys Val  
 1                    5                    10                    15  
 Ser Thr Ser Leu Met Pro Val Gly Thr Ser Glu Arg His Lys Ala Lys  
                   20                    25                    30  
 Asn Ser Trp Pro Gly Leu Gln Gly Ser Ala Ala Asn Ala Glu Asn Gly  
                   35                    40                    45  
 Ser Ala Pro Leu Arg Thr Pro Pro His Leu Pro Leu Pro Ser Ser Leu  
                   50                    55                    60

Ser Leu Pro  
65

<210> 7224  
<211> 198  
<212> PRT  
<213> Homo sapiens

<400> 7224  
Met Pro Trp Leu Leu Ser Ala Pro Lys Leu Val Pro Ala Val Ala Asn  
1 5 10 15  
Val Arg Gly Leu Ser Gly Cys Met Leu Cys Ser Gln Arg Arg Tyr Ser  
20 25 30  
Leu Gln Pro Val Pro Glu Arg Arg Ile Pro Asn Arg Tyr Leu Gly Gln  
35 40 45  
Pro Ser Pro Phe Thr His Pro His Leu Leu Arg Pro Gly Glu Val Thr  
50 55 60  
Pro Gly  
65

<210> 7225  
<211> 165  
<212> PRT  
<213> Homo sapiens

<400> 7225  
Met Glu Gly Ser Glu Pro Val Ala Ala His Gln Gly Glu Glu Ala Ser  
1 5 10 15  
Cys Ser Ser Trp Gly Thr Gly Ser Thr Asn Lys Asn Xaa Pro Ile Met  
20 25 30  
Ser Thr Ala Ser Val Glu Ile Asp Asp Ala Leu Tyr Ser Arg Gln Arg  
35 40 45  
Tyr Val Leu Gly Asp Thr Ala  
50 55

<210> 7226  
<211> 240  
<212> PRT  
<213> Homo sapiens

<400> 7226  
Met Thr Gln Ser Val Val Val Gln Val Gly Gln Cys Gly Asn Gln Ile  
1 5 10 15  
Gly Cys Cys Phe Trp Asp Leu Ala Leu Arg Glu His Ala Ala Val Asn  
20 25 30  
Gln Lys Gly Ile Tyr Asp Glu Ala Ile Ser Ser Phe Phe Arg Asn Val  
35 40 45  
Asp Thr Arg Val Val Gly Asp Gly Gly Ser Ile Ser Lys Gly Lys Ile  
50 55 60  
Cys Ser Leu Lys Ala Arg Ala Val Leu Ile Xaa Met Xaa Glu Gly Val  
65 70 75 80

<210> 7227  
<211> 201

<212> PRT  
<213> Homo sapiens

<400> 7227

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Met Pro Glu Arg Ile Leu Ser Met Leu Lys Trp Ile Asn Ser Leu Trp
1           5           10           15
Asn Val Leu Phe Asn Cys Phe His Thr Arg Asn Ser Ser Asn Tyr Val
          20           25           30
Gln Leu Leu Phe Lys Ala Pro Asn Asn Ser Leu His Cys Ser Leu Trp
          35           40           45
Pro Gly Gln His Leu Pro Ser His His Glu Ser Phe Leu Phe Phe His
          50           55           60
Leu Asn Ile
65

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<210> 7228

<211> 201

<212> PRT

<213> Homo sapiens

<400> 7228

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Met Ala His Arg Gly Gly Glu Arg Asp Phe Gln Thr Ser Ala Arg Arg
1           5           10           15
Met Gly Thr Ser Leu Leu Phe Gln Leu Ser Val His Glu Arg Glu Leu
          20           25           30
Asp Leu Val Phe Leu Asp His Ser Tyr Ala Lys Pro Trp Ser Ala His
          35           40           45
Pro Asp Ala Ser Ser Ala Arg Pro Thr Arg Met Leu Phe Val Thr Pro
          50           55           60
Arg Arg Ser
65

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<210> 7229

<211> 384

<212> PRT

<213> Homo sapiens

<400> 7229

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Met Ala Phe Lys Tyr Leu Val His Cys Leu Gln Ser Glu Leu Asn Asn
1           5           10           15
Tyr Met Pro Ala Phe Leu Asp Asp Pro Glu Glu Asn Ser Leu Gln Arg
          20           25           30
Pro Lys Ile Asp Asp Val Leu His Thr Leu Thr Gly Ala Met Ser Leu
          35           40           45
Leu Arg Arg Cys Arg Val Asn Ala Ala Leu Thr Ile Gln Leu Phe Ser
          50           55           60
Gln Leu Phe His Phe Ile Asn Met Trp Leu Phe Asn Arg Leu Val Thr
          65           70           75           80
Asp Xaa Asp Ser Gly Leu Cys Ser His Tyr Trp Gly Ala Ile Ile Arg
          85           90           95
Gln Gln Leu Gly His Ile Glu Ala Trp Ala Glu Lys Gln Gly Leu Gly
          100          105          110
Thr Gly Cys Gly Leu Ser Ser Glu Gln Asp Arg Ala Gly Asn Asp Phe
          115          120          125

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<210> 7230  
 <211> 228  
 <212> PRT  
 <213> Homo sapiens

<400> 7230  
 Met Val Val Pro Gln Val Glu Ser Gly Gln Lys Phe Leu Gln His Phe  
 1 5 10 15  
 Phe Phe Lys Leu Leu Gly Ala Lys Ser Gln Thr Arg Ile Cys Val Cys  
 20 25 30  
 Leu Cys Val Tyr Val Phe Tyr Leu Thr Leu Pro Ser Phe Asn Leu Pro  
 35 40 45  
 Pro Phe Ile Ser Asn Val Glu Lys Ala Lys Leu Asn Leu Glu Ser Lys  
 50 55 60  
 Leu Leu Tyr Ile Val Ala Val Thr Ile Met Lys Arg  
 65 70 75

<210> 7231  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 7231  
 Met Asp Thr Leu Val Ser Ser Asp Cys Lys Tyr Ile Ala Cys Phe Ile  
 1 5 10 15  
 Leu Met Val His Tyr Phe Ile Gln Gln Ala Phe His Leu Arg Met Phe  
 20 25 30  
 Asn Val Asp Leu Ile Leu Arg Ala Ser Arg Ser Lys Tyr Phe Ser Ala  
 35 40 45  
 Glu Leu Xaa Gly Ser His Tyr Ser Val Val Gln Cys  
 50 55 60

<210> 7232  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 7232  
 Met Pro Leu Xaa Pro Leu Arg Val Arg Leu Val Ser His Leu Asn Asn  
 1 5 10 15  
 Tyr Ala Ser Gln Arg Glu Ala Gly Glu Arg Arg Pro Thr Arg Ala Ser  
 20 25 30  
 Asp Thr Phe Pro Gly Gly Pro Ser Ser Asp Ile Thr Arg Thr Ser Arg  
 35 40 45  
 Thr Arg Cys Cys Cys Pro Ser  
 50 55

<210> 7233  
 <211> 252  
 <212> PRT  
 <213> Homo sapiens

<400> 7233

Met Asn Arg Gln Gly Asn Arg Lys Thr Thr Lys Glu Gly Ser Asn Asp  
 1 5 10 15  
 Leu Lys Phe Gln Asn Phe Ser Leu Pro Lys Asn Arg Ser Trp Pro Arg  
 20 25 30  
 Ile Asn Ser Ala Thr Gly Gln Tyr Gln Arg Met Asn Lys Pro Leu Leu  
 35 40 45  
 Asp Trp Glu Arg Asn Phe Ala Ala Val Leu Asp Gly Ala Lys Gly His  
 50 55 60  
 Ser Asp Asp Xaa Xaa Asp Asp Pro Glu Leu Arg Met Glu Glu Thr Trp  
 65 70 75 80  
 Gln Ser Ile Lys

<210> 7234  
 <211> 270  
 <212> PRT  
 <213> Homo sapiens

<400> 7234  
 Met Ser Gly Glu Pro Gly Gln Thr Ser Val Ala Pro Pro Pro Glu Glu  
 1 5 10 15  
 Val Xaa Pro Gly Ser Gly Val Arg Ile Val Val Glu Tyr Cys Glu Pro  
 20 25 30  
 Cys Gly Phe Glu Ala Thr Tyr Leu Glu Leu Ala Ser Ala Xaa Lys Glu  
 35 40 45  
 Gln Tyr Pro Gly Ile Glu Ile Glu Ser Arg Leu Gly Gly Thr Gly Ala  
 50 55 60  
 Phe Glu Ile Glu Ile Asn Gly Gln Leu Gly Val Leu Gln Xaa Gly Glu  
 65 70 75 80  
 Trp Gly Phe Pro Tyr Glu Lys Asp Val Ser  
 85 90

<210> 7235  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7235  
 Met Cys Ile Leu Phe Leu Asn Ser Leu Phe Xaa Phe Xaa Leu Phe Tyr  
 1 5 10 15  
 Pro Phe Ser Tyr Asn Arg Leu Leu Met Asn Ile Ala Ser Asn Ile Ser  
 20 25 30  
 Phe Tyr Ile Cys Gln Glu Trp Phe Arg Gly Arg Ile Leu Cys Leu Phe  
 35 40 45  
 Leu Met Ile Gly Ser  
 50

<210> 7236  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 7236  
 Met Arg Arg Ile Leu Trp Gln Lys Ala Gly Xaa Trp Met Gly Arg Gly  
 1 5 10 15

Ala Ala Xaa Pro Arg Trp Ala Pro Leu Pro Leu Pro Gly Pro Ala Gln  
                   20                                  25                                  30  
 Val Leu Arg Xaa Leu Gly Pro Xaa Ile Ile Ser Ala Cys Ile Met Asp  
                   35                                  40                                  45  
 Ala Ser Phe Ser Leu Leu Gly Asn Pro Gln Ser  
                   50                                  55

<210> 7237  
 <211> 297  
 <212> PRT  
 <213> Homo sapiens

<400> 7237  
 Met His Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Ala Glu  
 1                                  5                                  10                                  15  
 Glu Ala Gly Ile Gly Asp Thr Pro Ser Leu Xaa Asp Glu Ala Ala Gly  
                                   20                                  25                                  30  
 His Val Thr Gln Ala Arg Met Val Ser Lys Ser Lys Asp Gly Thr Gly  
                                   35                                  40                                  45  
 Ser Asp Asp Lys Lys Ala Lys Gly Ala Asp Gly Lys Thr Lys Ile Ala  
                                   50                                  55                                  60  
 Xaa Pro Arg Gly Ala Ala Pro Pro Gly Gln Lys Gly Gln Ala Asn Ala  
 65                                  70                                  75                                  80  
 Thr Arg Ile Pro Ala Lys Thr Pro Pro Ala Pro Lys Thr Pro Pro Ser  
                                   85                                  90                                  95  
 Ser Gly Glu

<210> 7238  
 <211> 285  
 <212> PRT  
 <213> Homo sapiens

<400> 7238  
 Met Glu Lys Asn Lys Val Lys Leu Tyr His Cys Leu Lys Asp Glu Thr  
 1                                  5                                  10                                  15  
 Phe Ser Trp Pro Gly Pro Lys Thr Val Thr Leu Lys Arg Thr Ser Gln  
                                   20                                  25                                  30  
 Gly Phe Gly Phe Thr Leu Arg His Phe Ile Val Tyr Pro Pro Glu Ser  
                                   35                                  40                                  45  
 Ala Ile Gln Phe Ser Tyr Lys Asp Glu Glu Asn Gly Asn Arg Gly Gly  
                                   50                                  55                                  60  
 Lys Gln Arg Asn Arg Leu Glu Pro Met Asp Thr Ile Phe Val Lys Gln  
 65                                  70                                  75                                  80  
 Val Lys Glu Gly Gly Pro Ala Phe Glu Ala Gly Leu Cys Thr Gly  
                                   85                                  90                                  95

<210> 7239  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 7239  
 Met Asn Pro Phe His Ala Ser Cys Trp Asn Thr Ser Ala Glu Leu Leu  
 1                                  5                                  10                                  15

Asn Lys Ser Trp Asn Lys Glu Phe Ala Tyr Gln Thr Ala Ser Val Val  
 20 25 30  
 Asp Thr Val Ile Leu Pro Ser Met Ile Gly Ile Ile Cys Ser Thr Gly  
 35 40 45  
 Leu Val Gly Asn Ile Leu Ile Val Phe Thr Ile Ile Arg Ser Arg Lys  
 50 55 60  
 Lys Thr Val Pro Asp Ile Tyr Ile Cys Asn Leu Ala Val Ala Asp Leu  
 65 70 75 80  
 Val His

<210> 7240  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 7240  
 Met Asp Phe Lys Ile Ala Gly Thr Asn Lys Gly Ile Thr Ala Leu Gln  
 1 5 10 15  
 Ala Asp Ile Lys Leu Pro Gly Ile Pro Ile Lys Ile Val Met Glu Ala  
 20 25 30  
 Ile Gln Thr Ser Phe Ser Gly Lys Lys Gly Asp Ile Thr Asp His Glu  
 35 40 45  
 Gln Asn Tyr Phe Lys Thr Ser Ser  
 50 55

<210> 7241  
 <211> 426  
 <212> PRT  
 <213> Homo sapiens

<400> 7241  
 Met Pro Gly Gly Ser Xaa Gly Arg Lys Met Ala Ala Gly Asp Ile Gly  
 1 5 10 15  
 Glu Leu Leu Val Pro His Met Pro Thr Ile Arg Val Pro Arg Ser Gly  
 20 25 30  
 Asp Arg Val Tyr Lys Asn Glu Cys Ala Phe Ser Tyr Asp Ser Pro Lys  
 35 40 45  
 Val Thr Ile Ala Cys Asp Ala Val Leu Ser Ser Lys Ser Pro Tyr Arg  
 50 55 60  
 Lys Gln Asp Pro Asp Thr Trp Glu Asn Glu Leu Pro Val Ser Lys Tyr  
 65 70 75 80  
 Ala Asn Asn Leu Thr Gln Leu Asp Asn Gly Val Arg Ile Pro Pro Ser  
 85 90 95  
 Gly Trp Lys Cys Ala Arg Cys Asp Leu Arg Glu Asn Leu Trp Leu Asn  
 100 105 110  
 Leu Thr Asp Gly Ser Val Leu Cys Gly Lys Trp Phe Phe Asp Ser Ser  
 115 120 125  
 Gly Gly Asn Gly His Ala Leu Glu His Tyr Arg Asp Met Gly  
 130 135 140

<210> 7242  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

004230" 66667560

<400> 7242

Met Pro Gly Ala Gln Ser Leu Gln Val Gly Arg Xaa Asp Arg Ser Glu  
1 5 10 15  
Leu Arg Pro Glu Gln Pro Ala Ser Gly Met Lys Val Trp Gly Leu Ala  
20 25 30  
Xaa Xaa Cys Xaa Leu Xaa Xaa Xaa Xaa Gly Xaa Xaa Xaa Gln Xaa Thr  
35 40 45  
Leu Pro Pro Xaa Pro Arg Asp Glu Thr Ser Pro Xaa Asp Ala Val  
50 55 60

<210> 7243

<211> 324

<212> PRT

<213> Homo sapiens

<400> 7243

Met Glu Asn Leu Leu Lys Ile Lys Ile Ile Arg Glu Ala Tyr Lys Lys  
1 5 10 15  
Ala Phe Leu Phe Val Asn Lys Gly Leu Asn Thr Asp Glu Leu Gly Gln  
20 25 30  
Lys Xaa Glu Ala Lys Asn Tyr Tyr Lys Gln Gly Ile Gly His Leu Leu  
35 40 45  
Xaa Gly Ile Xaa Xaa Ser Ser Lys Glu Ser Glu His Thr Gly Pro Gly  
50 55 60  
Trp Glu Ser Ala Arg Gln Met Gln Gln Lys Met Lys Glu Thr Leu Gln  
65 70 75 80  
Asn Val Xaa Thr Arg Leu Xaa Xaa Ser Arg Glu Gly Ser Cys His Phe  
85 90 95  
Ser Ser Arg Met Ile Phe Arg Arg Cys Pro Ser Tyr  
100 105

<210> 7244

<211> 153

<212> PRT

<213> Homo sapiens

<400> 7244

Met Ile Ala Asn Val Phe Leu Ser Ile Tyr Thr Leu Gly Pro Gly Lys  
1 5 10 15  
His Phe Ile Xaa Ile Ile Ser Phe Xaa Ser Pro Xaa Xaa Xaa Ser Gly  
20 25 30  
Glu Ile Ile Cys Ile Ile Leu Val Leu Gln Leu Arg Lys Leu Arg Leu  
35 40 45  
Arg Gly Gly  
50

<210> 7245

<211> 171

<212> PRT

<213> Homo sapiens

<400> 7245

Met Cys Val His Pro Gly Ala Cys Leu Pro His Val Gly Val Ser Trp



<211> 234  
 <212> PRT  
 <213> Homo sapiens

<400> 7249  
 Met Ser Gly Asp Gly Pro Gly Ser Trp Gly Leu Glu Gly Arg Gly Pro  
 1 5 10 15  
 Ser Ala Leu Gly Ser Gln Gly Ala Leu Pro Ala Gln Pro Gly Leu Ser  
 20 25 30  
 Trp Glu Pro Leu Ala Gln Arg Leu Ser Leu Ala Asn Leu Gly Gly Cys  
 35 40 45  
 Val His Pro Ala Arg Pro Ser Cys Xaa Leu His Ser Ser Pro Cys Ser  
 50 55 60  
 Leu Leu Pro Arg Phe Glu Ser Arg Val Cys Gly His Ser Leu  
 65 70 75

<210> 7250  
 <211> 216  
 <212> PRT  
 <213> Homo sapiens

<400> 7250  
 Met Trp Gln Lys Thr Glu Thr Val Lys Gln Glu Asn Ala Ala Val Gln  
 1 5 10 15  
 Lys Met Val Glu Asn Leu Lys Lys Gln Ile Ser Glu Leu Lys Ile Lys  
 20 25 30  
 Asn Gln Gln Leu Asp Leu Glu Asn Thr Glu Leu Ser Gln Lys Asn Ser  
 35 40 45  
 Gln Asn Gln Glu Lys Leu Gln Glu Leu Asn Gln Arg Leu Thr Glu Met  
 50 55 60  
 Leu Cys Gln Lys Glu Lys Glu Pro  
 65 70

<210> 7251  
 <211> 234  
 <212> PRT  
 <213> Homo sapiens

<400> 7251  
 Met Ala Gln Thr Phe Xaa Xaa His Ile Trp Ala His Glu Gly Val Lys  
 1 5 10 15  
 Pro Phe Lys Cys Ser Leu Xaa Glu Tyr Ala Thr Arg Ser Lys Ser Asn  
 20 25 30  
 Leu Lys Ala His Met Asn Arg His Ser Thr Glu Lys Thr His Leu Cys  
 35 40 45  
 Asp Met Cys Gly Lys Lys Phe Lys Ser Lys Gly Xaa Leu Lys Ser His  
 50 55 60  
 Lys Leu Leu His Thr Ala Asp Gly Lys Gln Phe Lys Cys Thr  
 65 70 75

<210> 7252  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 7252

Met Ser Pro Phe Val Ala Leu Cys Gly Pro Cys Gly Ile His Xaa Arg  
1 5 10 15  
Ser Ser Ser Ser Asp Trp Ser Pro Leu Gln Leu Trp Ile Phe Lys Arg  
20 25 30  
Val Arg Gln Cys Gly Gly Gly Val Pro Leu Leu Thr Pro Pro Trp Cys  
35 40 45  
Leu Thr His  
50

<210> 7253

<211> 330

<212> PRT

<213> Homo sapiens

<400> 7253

Met Gly Tyr Phe Val Arg Thr Ser Tyr Asp Thr Val Ile Ser Ile Gly  
1 5 10 15  
Phe His Ala Val Phe Ser Thr Tyr Val Cys Met Tyr Val Lys Val Phe  
20 25 30  
Glu Arg Ala Trp Asn Asn Leu Ser Leu Ser Leu Ile Glu Ile Glu Gly  
35 40 45  
Leu Gly Trp Val Gln Trp Leu Thr Pro Val Ile Pro Val Leu Trp Glu  
50 55 60  
Ala Glu Ala Gly Gly Ser Gln Gly Gln Glu Ile Glu Thr Ile Leu Ala  
65 70 75 80  
Asn Met Met Lys Ser Pro Ser Leu Leu Lys Ile Gln Lys Ile Ser Trp  
85 90 95  
Ala Trp Trp Arg Ala Pro Val Ser Pro Ser Tyr Ser Gly Arg  
100 105 110

<210> 7254

<211> 225

<212> PRT

<213> Homo sapiens

<400> 7254

Met Lys Glu Tyr Gly Pro Ile His Ile Leu Trp Ser Ala Ser Glu Glu  
1 5 10 15  
Asp Leu Val Asp Thr Leu Lys Asp Val Ala Ser Cys Ile Asp Arg Cys  
20 25 30  
Cys Lys Ala Thr Glu Lys Arg Met Ser Gly Leu Ser Glu Ala Leu Leu  
35 40 45  
Pro Val Val His Glu Tyr Xaa Leu Tyr Ser Glu Met Leu Met Gly Val  
50 55 60  
Met Lys Arg Arg Asp Gln Ile Gln Ala Glu Arg  
65 70 75

<210> 7255

<211> 231

<212> PRT

<213> Homo sapiens



004220" 6667560

<400> 7255

Met Thr Pro Ala Trp Ser Ile Phe His Pro Arg Ser Leu Ser Pro Pro  
 1 5 10 15  
 Val Arg Pro Asn Phe Ile Ala Ala Lys Gly Pro Lys Lys Ala Ala Cys  
 20 25 30  
 Leu Pro Arg Gly Asp Pro Glu Pro Gly Ser Arg His Leu His Val Leu  
 35 40 45  
 Thr Pro Ala Thr Ala Arg Pro Ser Gln Ala Leu Gly Pro Trp Val Leu  
 50 55 60  
 Ser Cys Asp Gly Thr Ile Ala Pro Ser Ile Pro Gln Ala  
 65 70 75

<210> 7256

<211> 165

<212> PRT

<213> Homo sapiens

<400> 7256

Met Glu Val Lys Gly Pro Ser Gly Arg Ser Phe Cys Cys Glu Ser Glu  
 1 5 10 15  
 Gly Gln Phe Lys Ser Cys Leu Lys Arg His Thr Pro Ser Leu Leu Leu  
 20 25 30  
 Pro Ser Ser Trp Lys Gly Asn Ser Gly Ser Cys Leu Met Ala Glu Ala  
 35 40 45  
 Leu His Arg Xaa Ser Pro Thr  
 50 55

<210> 7257

<211> 165

<212> PRT

<213> Homo sapiens

<400> 7257

Met Ile Thr Phe Tyr Val Arg Phe Phe Leu Thr Tyr Val Pro Leu Leu  
 1 5 10 15  
 Gly Leu Lys Ala Phe Leu Gly Leu Phe Phe Ile Val Arg Phe Leu Glu  
 20 25 30  
 Ser Asn Trp Phe Val Trp Val Thr Gln Met Asn His Ile Pro Met His  
 35 40 45  
 Ile Asp His Asp Arg Asn Lys  
 50 55

<210> 7258

<211> 165

<212> PRT

<213> Homo sapiens

<400> 7258

Met Trp Lys Thr Gln Glu Ala Asn Ser Thr Val Phe Leu Trp Ser Gly  
 1 5 10 15  
 Cys Lys Gly Arg Asp Leu Thr Leu Tyr Ile Leu Met Ala Ala Phe Glu  
 20 25 30  
 Tyr Leu Leu Thr Pro Ser Ser Leu Asn Trp Gly Cys Xaa Ile Leu Glu  
 35 40 45

Ser Ser Thr His Xaa Lys Val  
50 55

<210> 7259  
<211> 177  
<212> PRT  
<213> Homo sapiens

<400> 7259  
Met Lys Leu Ile Ile Asn Phe Thr Glu Asn Pro Ala Met Thr Arg Glu  
1 5 10 15  
Leu Val Ser Cys Lys Val Pro Ser Glu Leu Ile Ser Leu Phe Asn Lys  
20 25 30  
Glu Trp Asp Arg Glu Ile Leu Leu Asn Ile Leu Thr Leu Phe Glu Asn  
35 40 45  
Ile Asn Asp Asn Ile Lys Asn Glu Gly Leu Ala  
50 55

<210> 7260  
<211> 282  
<212> PRT  
<213> Homo sapiens

<400> 7260  
Met Asn Lys Pro Gly Ala Phe Thr Ala Glu Phe Ser Arg Gln Pro Ser  
1 5 10 15  
Gly Thr Arg Met Arg Gln Pro Leu Arg Ile Phe Phe Gly Thr Lys Asn  
20 25 30  
Lys Xaa Val Xaa Val Gln Xaa Pro Xaa Ala Lys Thr Thr Gln Lys Arg  
35 40 45  
His Lys Gly Ser Xaa Asn Arg Ser Ser Leu Leu Leu His Gly Val Leu  
50 55 60  
Leu Ser Ile Phe Leu Lys Leu Lys Val Pro Val Ser Asn Ile Cys Cys  
65 70 75 80  
Met Pro Ile Lys Met Gly Leu Xaa Arg Gly Ala Gly Glu Glu  
85 90

<210> 7261  
<211> 153  
<212> PRT  
<213> Homo sapiens

<400> 7261  
Met Gly Ser Ser Ala Thr Glu Ile Glu Glu Leu Glu Asn Thr Thr Phe  
1 5 10 15  
Lys Tyr Leu Thr Gly Glu Gln Thr Glu Lys Met Trp Gln Arg Leu Lys  
20 25 30  
Gly Ile Leu Arg Cys Leu Val Lys Gln Leu Glu Arg Gly Asp Val Asn  
35 40 45  
Val Val Asn  
50

<210> 7262  
<211> 201

<212> PRT

<213> Homo sapiens

<400> 7262

Met Ala Leu Asp Ile Glu Ile Ala Ala Tyr Arg Lys Leu Leu Glu Gly  
1 5 10 15  
Glu Glu Thr Arg Leu Ser Phe Thr Ser Val Gly Ser Ile Thr Ser Gly  
20 25 30  
Tyr Ser Gln Ser Ser Gln Val Phe Gly Arg Ser Ala Tyr Gly Gly Leu  
35 40 45  
Gln Thr Ser Ser Tyr Leu Met Ser Thr Arg Ser Phe Pro Ser Tyr Tyr  
50 55 60  
Thr Ser Leu  
65

<210> 7263

<211> 306

<212> PRT

<213> Homo sapiens

<400> 7263

Met Thr Gly Ile Ala Ala Ala Ser Phe Phe Ser Asn Thr Cys Arg Phe  
1 5 10 15  
Gly Gly Cys Gly Leu His Phe Pro Thr Leu Xaa Asp Leu Ile Glu Xaa  
20 25 30  
Ile Glu Asp Xaa His Ile Asp Thr Xaa Pro Arg Val Leu Glu Lys Gln  
35 40 45  
Glu Leu Gln Gln Pro Thr Tyr Val Ala Leu Ser Tyr Ile Asn Arg Phe  
50 55 60  
Met Thr Asp Ala Ala Arg Arg Glu Gln Glu Ser Leu Lys Lys Xaa Ile  
65 70 75 80  
Gln Pro Xaa Leu Ser Leu Thr Leu Xaa Ser Ser Ser Val Ser Arg Glu  
85 90 95  
Cys Val His Ser Pro Thr  
100

<210> 7264

<211> 252

<212> PRT

<213> Homo sapiens

<400> 7264

Met His Gln Gln Pro Cys Ile Leu Phe Asp Phe Val Ile Asp Leu Xaa  
1 5 10 15  
Leu Lys Asn Asn Ser Gln Cys Pro Ala Cys Arg Val Pro Ile Thr Pro  
20 25 30  
Glu Asn Pro Cys Lys Glu Ile Ile Gly Gly Thr Ser Glu Ser Glu Pro  
35 40 45  
Met Leu Ser His Thr Val Arg Lys His Leu Arg Lys Thr Arg Leu Glu  
50 55 60  
Leu Leu His Lys Glu Tyr Glu Asp Glu Ile Asp Cys Leu Gln Lys Glu  
65 70 75 80  
Val Glu Glu Pro

<210> 7265  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 7265  
 Met Trp Xaa Xaa Ser Glu Ala Ser Lys Asn His Pro Leu Ile Gln Glu  
 1 5 10 15  
 Gly Gln Gly Xaa Xaa Pro Tyr Arg Asp Val Xaa Met Leu Asp Val Pro  
 20 25 30  
 Arg Leu Ser Glu Pro Xaa Phe Pro Gln Xaa Pro Ser Leu Gln Ser Xaa  
 35 40 45  
 Tyr Phe Xaa Ser Ala Leu Ser Gly Thr Asp  
 50 55

<210> 7266  
 <211> 288  
 <212> PRT  
 <213> Homo sapiens

<400> 7266  
 Met Cys Lys Cys Pro Gln Thr Arg Cys Thr Pro Xaa Ser Leu Val Xaa  
 1 5 10 15  
 Ser Phe Gln Ala Ala Ser Ser Ser Ser Pro Thr Thr Ser Pro Ser Pro  
 20 25 30  
 Val Asp Ile Ser Ala Lys Xaa Phe Trp Asn Phe Ile Xaa Phe Phe Trp  
 35 40 45  
 Phe Pro Ser Pro Lys His Ser His Phe Thr Trp Thr Ile Ser Ile Ile  
 50 55 60  
 Thr Gln Val Ser Asn Leu Leu Xaa Ser Leu Gly His Ile Gly Xaa Xaa  
 65 70 75 80  
 Lys Ile Val Leu Cys His Thr Tyr Asn Thr Leu Thr Leu Thr Ile Ala  
 85 90 95

<210> 7267  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 7267  
 Met Val His Val Asp Lys Arg Ile Thr Leu Ala Ala Phe Lys Gln His  
 1 5 10 15  
 Leu Glu Pro Phe Val Gly Val Leu Ser Ser His Phe Lys Val Xaa Arg  
 20 25 30  
 Val Tyr Ala Ser Asn Gln Glu Phe Glu Ser Val Arg Leu Asn Glu Thr  
 35 40 45  
 Leu Ser Ser Phe Ser Asp Asp Asn Lys Ile Thr Ile Arg Pro Gly Arg  
 50 55 60

<210> 7268  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 7268

Met Ser Glu Pro Gly Lys Gly Asp Asp Cys Leu Glu Leu Glu Ser Ser  
1 5 10 15  
Met Ala Glu Ser Arg Leu Arg Ala Pro Asp Leu Gly Val Ser Arg Cys  
20 25 30  
Leu Gly Lys Cys Gln Lys Asn Ser Pro Gly Ala Arg Lys His Pro Phe  
35 40 45  
Ser Gly Lys Ser Phe Tyr Leu Asp Leu Pro Ala Gly Lys Asn Leu Gln  
50 55 60  
Phe Leu Thr Gly Ala Ile Gln Gln Leu Gly Gly Val Xaa Glu Gly Phe  
65 70 75 80  
Leu Ser

<210> 7269

<211> 168

<212> PRT

<213> Homo sapiens

<400> 7269

Met Pro Gly Pro Xaa Arg Xaa Ser Xaa Cys Xaa Lys Xaa His Ser Xaa  
1 5 10 15  
Glu Ser Asp Leu Glu Thr Gly Cys His Asn His Phe Ser Phe Leu Xaa  
20 25 30  
Thr Gln Leu Thr Cys Ile Phe Lys Leu Phe Leu Ala Ser Xaa Asn Thr  
35 40 45  
Tyr Phe Tyr Ser Gly Thr Gln Leu  
50 55

<210> 7270

<211> 153

<212> PRT

<213> Homo sapiens

<400> 7270

Met Glu Ala Asn Gly Leu Gly Pro Gln Gly Phe Pro Glu Leu Lys Asn  
1 5 10 15  
Asp Thr Phe Leu Arg Ala Ala Trp Gly Glu Glu Thr Asp Tyr Thr Pro  
20 25 30  
Val Trp Cys Met Arg Gln Ala Gly Arg Tyr Leu Pro Glu Phe Arg Glu  
35 40 45  
Thr Arg Ala  
50

<210> 7271

<211> 216

<212> PRT

<213> Homo sapiens

<400> 7271

Met Pro Leu Ala Ser Ser Ser Leu Val Thr Asn Thr Xaa Thr Phe Pro  
1 5 10 15  
His His Ile Cys Xaa Tyr Ser Ser Cys Gly Trp Gln Phe Cys Pro Xaa  
20 25 30  
Lys Glu Ser Met Ser Val Val Phe Gly Lys Gly His Ile Ser Lys Asn

35                      40                      45  
 Ser Lys Val Arg Ala Arg Pro Ile Thr Leu Glu Ile Leu Val His Glu  
     50                      55                      60  
 Gly Leu Phe Tyr Ser Pro Thr Ala  
     65                      70

<210> 7272  
 <211> 306  
 <212> PRT  
 <213> Homo sapiens

<400> 7272  
 Met Arg Leu Lys Met Phe Leu Thr Xaa His Met Cys Val Met Ala Ser  
     1                      5                      10                      15  
 Leu Ile Cys Ser Arg Gln Leu Phe Gly Trp Leu Phe Arg Arg Val Arg  
                     20                      25                      30  
 Phe Glu Lys Val Ile Phe Gly Ile Leu Thr Val Met Ser Ile Gln Gly  
                     35                      40                      45  
 Tyr Ala Asn Leu Arg Asn Gln Trp Ser Ile Ile Gly Xaa Xaa Asn Asn  
                     50                      55                      60  
 Leu Pro Xaa Glu Glu Leu Leu Xaa Trp Ile Lys Tyr Ser Thr Thr Ser  
     65                      70                      75                      80  
 Asp Ala Val Phe Ala Gly Ala Met Pro Thr Met Ala Ser Ile Lys Leu  
                     85                      90                      95  
 Ser Thr Leu His Pro Ile  
                     100

<210> 7273  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 7273  
 Met Pro Glu Pro Ser Gly Leu Gly Asp Glu Gly Arg Pro Leu Leu Leu  
     1                      5                      10                      15  
 Pro Gly Gly Arg Glu Ala Val Gly Ser Trp Val Gly Ala Phe Ala Ala  
                     20                      25                      30  
 Asp Ser Thr Pro Cys Gly Pro Gly Asp Leu Ser Val Pro Arg Arg Asp  
                     35                      40                      45  
 Pro Phe Gly Leu Thr Ala Leu Glu Pro His  
     50                      55

<210> 7274  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 7274  
 Met Val Gly Pro Asn Phe Arg Val Gly Lys Lys Ile Gly Cys Gly Asn  
     1                      5                      10                      15  
 Phe Gly Glu Leu Arg Leu Gly Lys Asn Leu Tyr Thr Asn Glu Tyr Val  
                     20                      25                      30  
 Ala Ile Lys Leu Glu Pro Met Lys Ser Arg Ala Pro Gln Leu His Leu  
                     35                      40                      45

Glu Tyr Arg Phe Tyr Lys Gln Leu Gly Ser Gly Asp Gly Ile Pro Gln  
 50 55 60  
 Val Tyr Tyr Phe Gly Pro  
 65 70

<210> 7275  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 7275  
 Met Asp Asn Pro Thr Phe Ala Glu Asp Glu Glu Leu Gln Asn Met Asp  
 1 5 10 15  
 Lys Glu Asp Ala Leu Ile Cys Phe Glu Glu His Ile Arg Ala Leu Glu  
 20 25 30  
 Lys Glu Glu Glu Glu Lys Gln Lys Ser Leu Leu Arg Glu Arg Arg  
 35 40 45  
 Arg Gln Arg  
 50

<210> 7276  
 <211> 216  
 <212> PRT  
 <213> Homo sapiens

<400> 7276  
 Met Asp His Arg Thr Leu Asn Leu Gln Ile Gln Val Phe Pro Leu Pro  
 1 5 10 15  
 Thr Arg Ser Gly Phe Leu Lys Ile Met Ser Trp Ile Ile Ala Ser Ile  
 20 25 30  
 Ser Asn Phe Leu Val Ser Gly Ser Ser Met Ile Leu Thr Leu Asp Leu  
 35 40 45  
 Cys Ile Ser Tyr Val Cys His Val Leu Lys Ile Ile Phe Xaa Ser Ser  
 50 55 60  
 Xaa Ser Ser His Leu Ser Pro Thr  
 65 70

<210> 7277  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 7277  
 Met Arg Cys Arg Ala Trp Arg Gly Ala Xaa Arg Gln Glu Gln His Val  
 1 5 10 15  
 Ala Ala Ala Ile Leu Gly Ala Leu Gly Glu Val Gly Cys Pro Leu Pro  
 20 25 30  
 Pro Ser Pro Arg Cys Gln Glu Glu Val Ala Asp Ser Ile Thr Gln Gly  
 35 40 45  
 Leu Thr Glu Pro Cys Pro Ala Gly Ala Arg Thr Ser His Thr Phe Pro  
 50 55 60  
 Ala Ala Leu Pro Pro  
 65

<210> 7278  
 <211> 327  
 <212> PRT  
 <213> Homo sapiens

<400> 7278  
 Met Cys Phe Ser Leu Gly Thr Gly Lys Thr Leu Leu Ala Lys Ala Val  
 1 5 10 15  
 Ala Thr Glu Cys Lys Thr Thr Phe Phe Asn Ile Ser Ala Ser Thr Ile  
 20 25 30  
 Val Ser Lys Trp Arg Gly Asp Ser Glu Lys Leu Val Arg Val Leu Phe  
 35 40 45  
 Glu Leu Ala Arg Tyr His Ala Pro Ser Thr Ile Phe Leu Asp Glu Leu  
 50 55 60  
 Glu Ser Val Met Ser Gln Arg Gly Thr Ala Ser Gly Gly Glu His Glu  
 65 70 75 80  
 Gly Ser Leu Arg Met Lys Thr Glu Leu Leu Val Gln Met Asp Gly Leu  
 85 90 95  
 Ala Arg Ser Glu Asp Leu Val Phe Val Leu Ala Ala Ser  
 100 105

<210> 7279  
 <211> 315  
 <212> PRT  
 <213> Homo sapiens

<400> 7279  
 Met Asn Ser Gln Asp Ser Asn Thr Ser Val Leu Glu Val Val Ser Glu  
 1 5 10 15  
 Lys Pro Leu Ser Glu Arg Leu Lys Val Val Pro Gly Glu Thr Ile Asp  
 20 25 30  
 Pro Ile Pro His Gln Leu Leu Arg Lys Tyr Ile Gly Tyr Ala Arg Gln  
 35 40 45  
 Tyr Val Tyr Pro Arg Leu Ser Thr Glu Ala Ala Arg Val Leu Gln Asp  
 50 55 60  
 Phe Tyr Leu Glu Leu Arg Lys Gln Ser Gln Arg Leu Asn Ser Ser Pro  
 65 70 75 80  
 Ile Thr Thr Arg Gln Leu Glu Ser Leu Ile Arg Leu Thr Glu Ala Arg  
 85 90 95  
 Ala Arg Leu Glu Leu Arg Glu Glu Ala  
 100 105

<210> 7280  
 <211> 249  
 <212> PRT  
 <213> Homo sapiens

<400> 7280  
 Met Val Trp Glu Gln Lys Ser Ala Thr Ile Val Met Leu Thr Asn Leu  
 1 5 10 15  
 Lys Glu Arg Lys Glu Val Ser Ser Ser Ile Trp Pro Arg Tyr His Phe  
 20 25 30  
 Leu Ser Ala Ala Ala Gly Leu Gly Met Phe Leu Pro Leu Pro Phe  
 35 40 45



Pro Thr Ser Leu Pro Ser Ser His Tyr His Cys Arg Lys Lys Pro Lys  
 50 55 60  
 His Met Gln Trp Leu Thr Ala Phe Ser Ser Arg Asn Lys Ser Pro Val  
 65 70 75 80  
 Ser Pro Arg

<210> 7281  
 <211> 339  
 <212> PRT  
 <213> Homo sapiens

<400> 7281  
 Met Gln Leu Val Tyr Lys Asn Pro Lys Glu Cys Phe Leu Ile Gln Pro  
 1 5 10 15  
 Lys Glu Arg Lys Glu Asn Thr Thr Lys Thr Arg Lys Arg Arg Lys Lys  
 20 25 30  
 Ile Thr Asp Val Leu Ala Lys Ser Glu Pro Lys Pro Gly Leu Pro Glu  
 35 40 45  
 Asp Leu Gln Lys Leu Met Lys Asp Tyr Tyr Ser Ser Arg Arg Leu Val  
 50 55 60  
 Ile Glu Leu Glu Glu Leu Asn Leu Pro Asp Ser Cys Phe Leu Lys Ala  
 65 70 75 80  
 Asn Asp Leu Thr His Ser Leu Ser Ser Tyr Leu Lys Glu Ile Cys Pro  
 85 90 95  
 Lys Trp Val Lys Leu Arg Lys Asn His Ser Glu Lys Lys Ser Val Leu  
 100 105 110  
 Met

<210> 7282  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 7282  
 Met Asp Leu Arg Thr His Val Asn Ala Ile Ala Leu Gln Gly Cys Glu  
 1 5 10 15  
 Val Ala Pro Gly Phe Gly Pro Arg His Pro Phe Ala Phe Arg Ile Leu  
 20 25 30  
 Arg Asn Arg Gln Glu Val Ala Ile Leu Glu Ala Ser Cys Ser Glu Xaa  
 35 40 45  
 Met Gly Arg Trp Leu Gly Leu Leu Val Glu Met Gly Ser Arg Val  
 50 55 60  
 Thr Pro Glu Ala Leu His Tyr  
 65 70

<210> 7283  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 7283  
 Met Arg Leu Ser Asp Asp Thr Leu Leu Asp Ile Met Arg Arg Phe Arg  
 1 5 10 15  
 Ala Glu Met Glu Lys Gly Leu Ala Lys Asp Thr Asn Pro Thr Ala Ala

20 25 30  
 Val Lys Met Leu Pro Thr Phe Val Xaa Ala Ile Pro Asp Xaa Ser Glu  
 35 40 45  
 Asn Gly Glu Phe Leu Ser Leu Asp Leu Gly Gly Ser Lys Phe Arg Val  
 50 55 60  
 Leu  
 65

<210> 7284  
 <211> 312  
 <212> PRT  
 <213> Homo sapiens

<400> 7284  
 Met Ser Glu Leu Pro Phe Thr Ile Ala Ser Lys Arg Ile Lys Tyr Leu  
 1 5 10 15  
 Gly Ile Gln Leu Thr Arg Asp Val Lys Asp Leu Phe Lys Glu Asn Tyr  
 20 25 30  
 Lys Pro Leu Leu Lys Glu Ile Lys Glu Asp Thr Asn Lys Trp Lys Asn  
 35 40 45  
 Ile Pro Cys Ser Trp Val Gly Arg Ile Asn Ile Val Lys Met Ala Ile  
 50 55 60  
 Leu Pro Lys Val Ile Tyr Arg Phe Asn Ala Ile Pro Ile Lys Leu Pro  
 65 70 75 80  
 Met Thr Phe Phe Thr Glu Leu Glu Lys Asn Tyr Phe Lys Val His Met  
 85 90 95  
 Glu Ser Lys Lys Ser Pro His Arg  
 100

<210> 7285  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 7285  
 Met Cys Pro Ser Leu Glu Glu Ala Pro Ser Val Lys Gly Thr Leu Pro  
 1 5 10 15  
 Cys Ser Gly Gln Gln Gln Pro Phe Pro Phe Gly Ala Ser Asn Ile Pro  
 20 25 30  
 Leu Leu Leu Gly Arg Ser Arg Lys Val Ala Arg Gly Ala Pro Val Leu  
 35 40 45  
 Trp Pro Phe Leu Thr Trp Ile Asn Pro Ala Leu Ser Ile Cys Asp Pro  
 50 55 60  
 Leu Gly Ser Cys Gly Trp  
 65 70

<210> 7286  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7286  
 Met Ser Asn Leu Lys Tyr Asn Arg Leu Thr Ser Ser Ser Gly Ile Ser  
 1 5 10 15

Lys Pro Phe Leu Trp Leu Cys Gly Pro Arg Thr Val Ser Val Ser Phe  
 20 25 30  
 Phe Cys Phe Cys Met Cys Ile Tyr Val Tyr Lys Leu Phe Lys Asn Val  
 35 40 45  
 Arg Asn Ser Gln  
 50

<210> 7287  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 7287  
 Met Leu Lys Thr Arg Arg Ile Thr Glu Ser Leu Glu His Phe Leu Tyr  
 1 5 10 15  
 Pro Asp Glu Pro Ser Thr Ser His Leu Ala Ser Thr Ser His Pro Gly  
 20 25 30  
 Asp Gln Arg Ile Arg Leu Cys Arg Asn His Gln Gly Leu Arg Lys Lys  
 35 40 45  
 Ser Leu His Asn Leu Xaa Phe Arg Ser Pro Gln  
 50 55

<210> 7288  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7288  
 Met Lys Lys Lys Ile Leu Pro Ala Val Cys Lys Gly Leu Glu Ser Gln  
 1 5 10 15  
 Leu Ala Ser Phe Ile Xaa Val Ser Ser Leu Gln Arg Thr Leu Lys Ile  
 20 25 30  
 Gly Ala Glu Gln Gly Tyr Asn Leu Gln Leu Ser Glu Lys Lys Ile Gln  
 35 40 45  
 Pro Pro Pro Pro Lys  
 50

<210> 7289  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 7289  
 Met Tyr Leu Asp His Gly Tyr Leu Asp Leu Arg Lys Ser Ser Ser Leu  
 1 5 10 15  
 Ser Gly Ser Asp Tyr Cys His Tyr Ser Leu Ser His Leu Asp Phe Lys  
 20 25 30  
 Val Gly Gln Val Lys Arg Cys Lys Gly Ser Val Thr Val Thr Gly Arg  
 35 40 45  
 Ala Glu Ser Lys Ile Ser Pro Phe Thr Phe Xaa Leu Met Gln Cys Leu  
 50 55 60  
 Arg Asn Glu His Phe  
 65

<210> 7290  
 <211> 297  
 <212> PRT  
 <213> Homo sapiens

<400> 7290  
 Met Xaa Asp Leu Gly Thr Met Ile Ser Gln Ile Glu Glu Ile Glu Arg  
 1 5 10 15  
 His Leu Ala Tyr Leu Lys Trp Ile Ser Gln Ile Glu Glu Leu Ser Asp  
 20 25 30  
 Asn Ile Gln Gln Tyr Leu Met Thr Asn Asn Val Pro Glu Ala Ala Ser  
 35 40 45  
 Thr Leu Val Ser Met Ala Glu Leu Asp Ile Lys Leu Gln Glu Ser Ser  
 50 55 60  
 Cys Thr His Leu Leu Gly Phe Met Arg Ala Thr Val Lys Phe Trp His  
 65 70 75 80  
 Lys Ile Leu Lys Asp Lys Leu Thr Ser Asp Phe Glu Glu Ile Leu Ala  
 85 90 95  
 Gln Leu His

<210> 7291  
 <211> 345  
 <212> PRT  
 <213> Homo sapiens

<400> 7291  
 Met Ala Ala Ala Gly Ile Ala Ala Ile Gly Pro Ala Lys Glu Leu Glu  
 1 5 10 15  
 Ala Glu Arg Ser Leu Met Ser Ser Pro Glu Asp Leu Thr Lys Asp Phe  
 20 25 30  
 Glu Glu Leu Lys Ala Glu Glu Val Asp Val Thr Lys Asp Ile Lys Pro  
 35 40 45  
 Gln Leu Glu Leu Ile Glu Asp Glu Glu Lys Leu Lys Glu Thr Glu Pro  
 50 55 60  
 Val Glu Ala Tyr Val Ile Gln Lys Glu Arg Glu Val Thr Lys Gly Pro  
 65 70 75 80  
 Ala Glu Ser Pro Asp Glu Gly Ile Thr Thr Thr Glu Gly Glu Gly Glu  
 85 90 95  
 Cys Glu Gln Thr Pro Glu Glu Leu Glu Pro Val Glu Lys Gln Gly Val  
 100 105 110  
 Asp Asp Ile  
 115

<210> 7292  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 7292  
 Met His Trp Ser Pro Thr Gln Val Asp Leu Gln Leu Met His Ser Cys  
 1 5 10 15  
 Lys Glu Gly Tyr Val Lys Asp Leu Lys Gly Asn Pro Gly Leu His Ser  
 20 25 30  
 Pro Met Leu Asp Leu Asp Asn Asp Thr Arg Pro Ser Val Leu Gly His

35                      40                      45  
 Leu Ser Gln Thr Ala Ser Leu Lys Arg Gly Ser Ser Phe Gln Ser Gly  
 50                      55                      60  
 Arg Asp Asp  
 65

<210> 7293  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 7293  
 Met Arg His Ser Ile Cys Cys Ser Asp Tyr Ile Phe Leu Pro Phe Ile  
 1                      5                      10                      15  
 Asp Phe Met Ile Leu Trp Leu His Gly Glu Asn Gly Thr Gly Pro Ala  
 20                      25                      30  
 Lys Phe Asn Ile Pro His Ser Val Thr Leu Asp Ser Ala Gly Arg Val  
 35                      40                      45  
 Trp Val Ala Asp Arg Asp  
 50

<210> 7294  
 <211> 249  
 <212> PRT  
 <213> Homo sapiens

<400> 7294  
 Met Asp Gly Lys Gln Gly Gly Met Asp Gly Ser Lys Pro Ala Gly Pro  
 1                      5                      10                      15  
 Arg Asp Phe Pro Gly Ile Arg Leu Leu Ser Asn Pro Leu Met Gly Asp  
 20                      25                      30  
 Ala Val Ser Asp Trp Ser Pro Met His Glu Ala Ala Ile His Gly His  
 35                      40                      45  
 Gln Leu Ser Leu Arg Asn Leu Ile Ser Gln Gly Trp Ala Val Asn Ile  
 50                      55                      60  
 Ile Thr Ala Asp His Val Ser Pro Leu His Glu Ala Cys Leu Gly Gly  
 65                      70                      75                      80  
 His Leu Ser

<210> 7295  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 7295  
 Met Ala Ile Ile Pro Ala Phe Trp Glu Ala Glu Ala Gly Gly Ser Pro  
 1                      5                      10                      15  
 Glu Val Arg Ser Ser Gly Leu Ala Trp Pro Thr Trp Arg Asn Xaa Xaa  
 20                      25                      30  
 Ser Leu Leu Glu Met Gln Lys Leu Ala Gly Arg Gly Gly Gly His Leu  
 35                      40                      45  
 Trp Xaa Ser Tyr Leu Gly Gly  
 50                      55

<210> 7296  
 <211> 228  
 <212> PRT  
 <213> Homo sapiens

<400> 7296  
 Met Gly Thr Gly Phe Phe Glu Thr Asp Arg Val Lys Ala Cys Ile Gln  
 1 5 10 15  
 Ser Gly Cys Val Ala Val Gln Met Gly Ile Phe His Ser Pro Ala Pro  
 20 25 30  
 Ala Ala Ser Pro His Pro Glu Leu Ser Pro Ser Cys Pro Leu Leu Arg  
 35 40 45  
 Gln Leu Pro Ser Pro His Pro Gly Pro Trp Gly Thr Glu Gln Xaa Xaa  
 50 55 60  
 Thr Thr Asp Ser Leu Ala Ala Phe Ser Pro Asn Ala  
 65 70 75

<210> 7297  
 <211> 333  
 <212> PRT  
 <213> Homo sapiens

<400> 7297  
 Met Glu Arg Lys Ile Ser Arg Ile His Leu Val Ser Glu Pro Ser Ile  
 1 5 10 15  
 Thr His Phe Leu Gln Val Ser Trp Glu Lys Thr Leu Glu Ser Gly Phe  
 20 25 30  
 Val Ile Thr Leu Thr Asp Gly His Ser Ala Trp Thr Gly Thr Val Ser  
 35 40 45  
 Glu Ser Glu Ile Ser Gln Glu Ala Asp Asp Met Ala Met Glu Lys Gly  
 50 55 60  
 Lys Tyr Val Gly Glu Leu Arg Lys Ala Leu Leu Ser Gly Ala Gly Pro  
 65 70 75 80  
 Ala Asp Val Tyr Thr Phe Asn Phe Ser Lys Glu Ser Cys Tyr Phe Xaa  
 85 90 95  
 Phe Glu Xaa Xaa Leu Lys Asp Val Ser Phe Arg Leu Gly Ser Phe  
 100 105 110

<210> 7298  
 <211> 258  
 <212> PRT  
 <213> Homo sapiens

<400> 7298  
 Met Gln Arg Leu Phe Gln Ser Asp Ser Glu Glu Lys Glu Ala Glu Glu  
 1 5 10 15  
 Ala Val Gly Gly Leu Arg Met Gly Phe Ser Leu Leu His Phe Arg Leu  
 20 25 30  
 Leu Val Pro Gln Gln Val Gly Lys Thr Asp Ile Met Leu Ala Ile Glu  
 35 40 45  
 Lys Leu Gln Ala Gly Ala Leu Ala Thr Asp Ala Val Thr Ala Ala Leu  
 50 55 60  
 Val Glu Leu Glu Val Tyr Thr His Ser Tyr Ala Ser Trp Ser Cys Ile  
 65 70 75 80

Gln Pro Ser Ile His Val  
85

<210> 7299

<211> 288

<212> PRT

<213> Homo sapiens

<400> 7299

Met	Ala	Leu	Ser	Ala	Gln	Gln	Ile	Pro	Arg	Trp	Phe	Asn	Ser	Val	Lys
1				5					10					15	
Leu	Arg	Ser	Leu	Ile	Asn	Ala	Ala	Gln	Leu	Thr	Lys	Arg	Phe	Thr	Arg
			20					25					30		
Pro	Ala	Arg	Thr	Leu	Leu	His	Gly	Phe	Ser	Ala	Gln	Pro	Gln	Ile	Ser
			35				40					45			
Ser	Asp	Asn	Cys	Phe	Leu	Gln	Trp	Gly	Phe	Lys	Thr	Tyr	Arg	Thr	Ser
	50					55					60				
Ser	Leu	Trp	Asn	Ser	Ser	Gln	Ser	Thr	Ser	Ser	Ser	Ser	Gln	Glu	Asn
65						70				75					80
Asn	Ser	Ala	Gln	Ser	Ser	Leu	Leu	Pro	Ser	Met	Asn	Glu	Gln	Pro	Gln
				85					90						95

<210> 7300

<211> 300

<212> PRT

<213> Homo sapiens

<400> 7300

Met	Thr	Gly	Lys	Thr	Gln	Thr	Ser	Asn	Val	Thr	Asn	Lys	Asn	Asp	Pro
1				5					10					15	
Lys	Ser	Ile	Asn	Ser	Arg	Val	Phe	Ile	Gly	Asn	Leu	Asn	Thr	Ala	Ile
			20					25					30		
Val	Lys	Lys	Val	Asp	Ile	Glu	Ala	Ile	Phe	Ser	Lys	Tyr	Gly	Lys	Ile
			35				40					45			
Val	Gly	Cys	Ser	Val	His	Lys	Gly	Tyr	Ala	Phe	Val	Gln	Tyr	Met	Ser
			50			55					60				
Glu	Arg	His	Ala	Arg	Ala	Ala	Val	Ala	Gly	Glu	Asn	Ala	Arg	Val	Ile
65					70					75					80
Ala	Gly	Gln	Pro	Leu	Gly	Lys	Ser	Cys	Ser	Asp	Met	Asp	Leu	Thr	Leu
				85					90						95
Leu	Phe	Ile	Tyr												
															100

<210> 7301

<211> 195

<212> PRT

<213> Homo sapiens

<400> 7301

Met	Ile	Asp	Asp	Gly	Trp	Trp	Arg	Gly	Val	Leu	Gln	Gly	Pro	Val	Arg
1				5					10					15	
Ala	Leu	Pro	Ser	Gln	Leu	Cys	Gly	Ala	Ala	Ala	Val	Gly	Pro	Pro	Ala
			20					25					30		
Pro	Pro	Arg	Ser	Cys	Ala	Leu	Xaa	Xaa	His	Thr	Thr	Asp	Gln	Ala	Phe

35 40 45  
 Phe Gly Ser Trp Val Val Leu Gly Phe Phe Cys Phe Phe Phe Phe  
 50 55 60  
 Phe  
 65

<210> 7302  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 7302  
 Met Arg Lys Xaa Lys Lys Ile Val Leu Lys Val Val Lys Gln Cys Cys  
 1 5 10 15  
 Gly Thr Asp Gly Val Glu Ala Asn Tyr Ile Lys Thr Glu Ile Leu Pro  
 20 25 30  
 Pro Phe Phe Lys His Phe Trp Gln His Arg Met Ala Leu Asp Arg Arg  
 35 40 45  
 Asn Tyr Arg Gln Leu Val Asp Thr Thr Val Glu Leu Ala Asn Lys Val  
 50 55 60  
 Gly Ala Ala Glu Ile Ile Ser Arg Ile Val Asp Asp Leu Lys Asp Glu  
 65 70 75 80  
 Ala Gln

<210> 7303  
 <211> 336  
 <212> PRT  
 <213> Homo sapiens

<400> 7303  
 Met Val Met His Asn Tyr Glu Ser Ser Gly Ile Xaa Ile Xaa Lys Gly  
 1 5 10 15  
 Thr Glu Leu Gln Ile Ala Val Val Ser Pro Leu Val Leu Ser Glu Val  
 20 25 30  
 Lys Thr Leu Ser Val Lys Gly Ile Thr Pro Ala Val Leu Pro Glu Thr  
 35 40 45  
 Val Tyr Pro Val Ile Lys Glu Gly Ser Val Cys Ser Leu Gln Asn Gln  
 50 55 60  
 Leu Ala Glu Asn Ala Lys Ala Thr Ala Ala Leu Lys Val Asp Val Ser  
 65 70 75 80  
 Gly Pro Val Ala Ser Thr Ala Thr Ser Thr Lys Ile Phe Pro Leu Xaa  
 85 90 95  
 Gln Lys Glu Lys Gln Asn Glu Ser Thr Asn Gly Asn Ser Glu Val Thr  
 100 105 110

<210> 7304  
 <211> 297  
 <212> PRT  
 <213> Homo sapiens

<400> 7304  
 Met Leu Pro Ser Thr Ser Val Asn Ser Leu Val Gln Gly Asn Gly Val  
 1 5 10 15  
 Leu Asn Ser Arg Asp Ala Ala Arg His Thr Ala Gly Ala Lys Arg Tyr



20 25 30  
 Lys Tyr Leu Arg Arg Leu Phe Arg Phe Arg Gln Met Asp Phe Glu Phe  
 35 40 45  
 Ala Ala Trp Gln Met Leu Tyr Leu Phe Thr Ser Pro Gln Arg Val Tyr  
 50 55 60  
 Arg Asn Phe His Tyr Arg Lys Gln Thr Lys Asp Gln Trp Ala Arg Asp  
 65 70 75 80  
 Asp Pro Ala Phe Leu Val Leu Leu Ser Ile Trp Leu Cys Val Ser Thr  
 85 90 95  
 Ile Gly Phe

<210> 7305  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens

<400> 7305  
 Met Phe Ile Ala Ala Val Phe Thr Ile Ala Lys Thr Trp Asn Gln Pro  
 1 5 10 15  
 Lys Cys Pro Ser Met Ile Asp Trp Ile Lys Xaa Met Trp His Ile Tyr  
 20 25 30  
 Thr Met Glu Tyr Ser Ala Ala Ile Lys Lys Asp Glu Phe Met Ser Leu  
 35 40 45  
 Ala Gly Thr Trp Met Lys Leu Glu Thr Val Ile Leu Ser Lys Leu Thr  
 50 55 60  
 Gln Asp  
 65

<210> 7306  
 <211> 270  
 <212> PRT  
 <213> Homo sapiens

<400> 7306  
 Met Gly Gly Asp Asn Pro Glu Val Gly Lys Lys Ala Arg Asn Ser Ser  
 1 5 10 15  
 Lys Phe Glu Leu Arg Lys Ser Pro Val Phe Ser Asp Glu Asp Ser Asp  
 20 25 30  
 Leu Asp Phe Asp Ile Ser Lys Leu Glu Gln Gln Ser Lys Ser Gly Lys  
 35 40 45  
 Ser Ser Arg Asn Val Asn Asn Lys Asp Phe Phe Asp Pro Val Glu Ser  
 50 55 60  
 Asp Glu Asp Ile Ala Ser Asp His Asp Asp Glu Leu Gly Ser Asn Lys  
 65 70 75 80  
 Met Met Lys Leu Leu Lys Lys Lys Gln Arg  
 85 90

<210> 7307  
 <211> 267  
 <212> PRT  
 <213> Homo sapiens

<400> 7307  
 Met Phe Tyr Phe Ile Ser Arg Arg Gly Leu Ser Glu Gly Arg Arg Arg



Met Lys Ile Lys Met Thr Ala Pro Val Thr Ser Tyr Val Glu Pro Gly  
 1 5 10 15  
 Ser Gly Pro Phe Ser Glu Ser Thr Ile Thr Ile Ser Leu Tyr Ile Pro  
 20 25 30  
 Ser Glu Gln Gln Phe Asp Pro Pro Arg Pro Leu Glu Ser Asp Val Phe  
 35 40 45  
 Ile Glu Asp Arg Ala Glu Met Thr Val Phe Val Arg Ser Phe Asp Gly  
 50 55 60  
 Phe Ser Ser Ala Gln Lys Asn Gln Glu Gln Leu Leu Thr Leu Ala Ser  
 65 70 75 80

<210> 7311  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 7311  
 Met Ala Gly Pro Leu Ser Pro Ser Phe Arg Ala Ala Leu Cys Arg Asn  
 1 5 10 15  
 Leu Glu Ser Pro Ser Ser Arg Leu Cys Gly Gly Val Gly Ser Val Ile  
 20 25 30  
 Xaa Arg Glu Phe Ser Phe Arg Val Xaa Ser Ser Ser Val Glu Glu Ala  
 35 40 45  
 Val Gly Arg Gly Val Pro Ser Pro Ser Phe Leu Leu Leu Lys Ile Lys  
 50 55 60  
 Ser Trp Pro  
 65

<210> 7312  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 7312  
 Met Lys Ile Arg Lys Asn Ile Ser Glu Ile Arg Glu Leu Glu Asn Ile  
 1 5 10 15  
 Glu Glu His Gln Ser Val Asp Ile Ala Thr Leu Glu Asp Glu Ala Gln  
 20 25 30  
 Glu Asn Lys Ser Lys Met Lys Met Val Glu Glu His Met Glu Gln Gln  
 35 40 45  
 Lys Glu Asn Met Glu His Leu Lys Ser Leu Lys Ile Glu Ala Glu Asn  
 50 55 60  
 Lys Tyr Asp Ala Ile Lys Phe Lys Ile Asn Gln Leu Ser Glu Pro  
 65 70 75

<210> 7313  
 <211> 279  
 <212> PRT  
 <213> Homo sapiens

<400> 7313  
 Met Ser Ala Ala Ser Ser Arg Glu Arg Asn Thr Ala Gly Gly Ser  
 1 5 10 15  
 Asn Phe Asp Gly Leu Arg Pro Asn Gly Lys Gly Val Pro Met Asp Gln

20 25 30  
 Ser Ser Arg Gly Gln Asp Lys Pro Glu Ser Leu Gln Pro Xaa Xaa Xaa  
 35 40 45  
 Lys Ser Lys Ser Glu Ile Thr Asp Met Val Arg Ser Ser Thr Ile Thr  
 50 55 60  
 Val Ser Asp Lys Ala His Ile Leu Ser Met Gln Lys Phe Gly Leu Arg  
 65 70 75 80  
 Asp Thr Ile Val Lys Ser His Leu Leu Gln Lys Glu Glu  
 85 90

<210> 7314  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7314  
 Met Leu Gly Glu Met Val Asp Ser Arg Asp Gly Ala Val Lys Pro His  
 1 5 10 15  
 Xaa Lys Pro Gly Pro Ser Asp Cys Thr Glu Val Lys Lys Cys Leu Lys  
 20 25 30  
 Asn Asp Asp Asn Met Ser Gln Gly His Ile Ser Glu Leu Glu Asp Val  
 35 40 45  
 Pro Thr Gly Gln Thr Trp Asp Asn Trp Ser Ile Lys Val Asn  
 50 55 60

<210> 7315  
 <211> 294  
 <212> PRT  
 <213> Homo sapiens

<400> 7315  
 Met Glu Ala Asp Leu Ser Gly Phe Asn Ile Asp Ala Pro Arg Trp Asp  
 1 5 10 15  
 Gln Arg Thr Phe Leu Gly Arg Val Lys His Phe Leu Asn Ile Thr Asp  
 20 25 30  
 Pro Arg Thr Val Phe Val Ser Glu Arg Glu Leu Asp Trp Ala Lys Val  
 35 40 45  
 Met Val Glu Lys Ser Arg Met Gly Val Val Pro Pro Gly Thr Gln Val  
 50 55 60  
 Glu Gln Leu Leu Tyr Ala Lys Lys Leu Tyr Asp Ser Ala Phe Xaa Pro  
 65 70 75 80  
 Asp Thr Gly Glu Lys Met Asn Val Ile Gly Arg Met Ser Phe Gln Leu  
 85 90 95  
 Pro Gly

<210> 7316  
 <211> 252  
 <212> PRT  
 <213> Homo sapiens

<400> 7316  
 Met Glu Asn Met Glu Gln Val Phe Glu Gln Cys Gln Gln Phe Glu Glu  
 1 5 10 15  
 Lys Arg Leu Arg Phe Phe Arg Glu Val Leu Leu Glu Val Gln Lys His

20 25 30  
 Leu Asp Leu Ser Asn Val Ala Gly Tyr Lys Ala Ile Tyr His Asp Leu  
 35 40 45  
 Glu Gln Ser Ile Arg Ala Ala Asp Ala Val Glu Asp Leu Arg Trp Phe  
 50 55 60  
 Arg Ala Asn His Gly Pro Gly Met Ala Met Asn Trp Pro Gln Phe Glu  
 65 70 75 80  
 Val Arg Gly Gly

<210> 7317  
 <211> 285  
 <212> PRT  
 <213> Homo sapiens

<400> 7317  
 Met Lys His Tyr Leu Cys Gly Cys Cys Ala Xaa Ser Thr Met Ser Gln  
 1 5 10 15  
 Ser His Phe Pro Phe Arg Arg Ser Leu Phe Arg Gln Gln Leu Tyr Gly  
 20 25 30  
 Ile Lys Thr Arg Asp Ala Ile Leu Gln Leu Arg Arg Asp Gly Phe Arg  
 35 40 45  
 Asn Leu Tyr Arg Gly Ile Leu Pro Pro Leu Met Gln Lys Thr Thr Thr  
 50 55 60  
 Leu Ala Leu Met Phe Gly Leu Tyr Glu Asp Leu Ser Cys Leu Leu His  
 65 70 75 80  
 Lys His Val Ser Ala Pro Glu Phe Ala Thr Ser Gly Val Ala Ala  
 85 90 95

<210> 7318  
 <211> 261  
 <212> PRT  
 <213> Homo sapiens

<400> 7318  
 Met Arg Ser Ser Thr Lys Arg Ile Pro Ser Ala Leu Cys His Leu Ser  
 1 5 10 15  
 Pro Glu Pro Ala Gln Leu Pro Met Thr Cys Val Gln Ser Arg Gly Arg  
 20 25 30  
 Asp Lys Gln Leu Ser Pro Leu Ala Phe Pro Leu Leu Leu Thr Ala Val  
 35 40 45  
 Ser Asn Leu Glu Glu Ser Lys Val Gln Asp Ala Phe Val His Tyr Glu  
 50 55 60  
 Pro Gly Val Ser Ser Ser Val Leu Ser Xaa Arg Ala Ala Trp Ser Arg  
 65 70 75 80  
 Ala Ser Pro Leu Ala Leu Val  
 85

<210> 7319  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 7319  
 Met Val Ser Lys Ser Tyr Ser Lys Gly Thr Leu Tyr Ser Arg Gly Pro

1 5 10 15  
 Gly Lys Leu Pro Phe Phe Phe Phe Glu Thr Gly Ser Pro Ser Pro Arg  
 20 25 30  
 Pro His Gly Leu Lys Arg Ser Ser His Leu Ser Leu Leu Ser Ser Leu  
 35 40 45  
 Asp Tyr Arg His Ala Pro  
 50

<210> 7320  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7320  
 Met Cys Ser Ser Thr Gln Phe Tyr His Lys Cys Ser Phe Met Lys Pro  
 1 5 10 15  
 Gln Pro Leu Ser Arg Tyr Phe Thr Val Pro Ser Ser Glu Thr Pro Ser  
 20 25 30  
 Cys Tyr Pro Cys Arg Val Asn Thr Tyr Ser Leu Pro His Ser Glu Gln  
 35 40 45  
 Leu Ala Thr Thr  
 50

<210> 7321  
 <211> 288  
 <212> PRT  
 <213> Homo sapiens

<400> 7321  
 Met Phe Cys Ile Tyr Lys His Ile Gln Asp Ser Tyr Phe Gln Gln Leu  
 1 5 10 15  
 Gly Ser Lys Xaa Ile Ser Arg Leu Phe Arg Ser Gln Ser Gln Ala Trp  
 20 25 30  
 Glu Leu Leu Leu Gly Gly Ile Tyr Phe Ile Val Tyr Val Cys Phe Gln  
 35 40 45  
 Asp Lys Val Ser Leu His Arg Pro Gly Trp Ser Ala Val Ala Arg Ser  
 50 55 60  
 Gln Phe Thr Ala Thr Leu Thr Phe Trp Xaa Gln Val Thr Leu Pro Pro  
 65 70 75 80  
 Gln Pro Pro Lys Leu Leu Gly Leu Arg His Pro Pro Pro Arg Pro Val  
 85 90 95

<210> 7322  
 <211> 243  
 <212> PRT  
 <213> Homo sapiens

<400> 7322  
 Met Arg Leu Gly Ile Arg Arg Thr Val Phe Lys Thr Glu Asn Ser Ile  
 1 5 10 15  
 Leu Arg Lys Leu Tyr Gly Asp Val Pro Phe Ile Glu Glu Arg His Arg  
 20 25 30  
 His Arg Phe Glu Val Asn Pro Asn Leu Ile Lys Gln Phe Glu Gln Asn  
 35 40 45

Asp Leu Ser Phe Val Gly Gln Asp Val Asp Gly Asp Arg Met Glu Ile  
 50 55 60  
 Ile Glu Leu Ala Asn His Pro Tyr Phe Val Gly Val Gln Phe His Pro  
 65 70 75 80  
 Glu

<210> 7323  
 <211> 294  
 <212> PRT  
 <213> Homo sapiens

<400> 7323  
 Met Glu Leu Glu Glu Asp Val Lys Ile Tyr Leu Asp Glu Asn Tyr Glu  
 1 5 10 15  
 Arg Ile Asn Val Pro Val Pro Gln Phe Gly Gly Gly Xaa Pro Ala Asp  
 20 25 30  
 Ile Ile His Asp Phe Gln Arg Gly Leu Thr Ala Tyr His Asp Ile Ser  
 35 40 45  
 Leu Asp Lys Cys Tyr Val Ile Glu Leu Asn Thr Thr Ile Val Pro Pro  
 50 55 60  
 Ser Gln Leu Leu Gly Ala Pro His Glu Arg Glu Glu Gly Asp Tyr Leu  
 65 70 75 80  
 Pro Gln Thr Tyr Ile Ile Gln Glu Glu Met Val Val Thr Glu His Val  
 85 90 95  
 Ser Asp

<210> 7324  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 7324  
 Met Ala Ser Thr Ser Leu Ala His Ala Ile Leu Leu Gly Gly Cys His  
 1 5 10 15  
 His Gly Trp Leu Asp Phe Thr Phe Tyr Phe Val Glu Thr Gly Tyr Pro  
 20 25 30  
 Cys Val Ala Gln Ala Gly Leu Lys Leu Leu Ser Ser Ser Asp Pro Pro  
 35 40 45  
 Ala Leu Ala Thr His Ser Ala Gly Ile Thr Gly Val Gly His Leu Thr  
 50 55 60  
 Gln Cys His  
 65

<210> 7325  
 <211> 267  
 <212> PRT  
 <213> Homo sapiens

<400> 7325  
 Met Arg Leu Asn Gln Asn Thr Leu Leu Leu Gly Lys Lys Val Val Leu  
 1 5 10 15  
 Val Pro Tyr Thr Ser Glu His Val Pro Arg Tyr His Glu Trp Met Lys  
 20 25 30  
 Ser Glu Glu Leu Gln Arg Leu Thr Ala Ser Glu Pro Leu Thr Leu Glu

35                      40                      45  
 Gln Glu Tyr Ala Met Gln Cys Ser Trp Gln Glu Asp Ala Asp Lys Cys  
     50                      55                      60  
 Thr Phe Ile Val Leu Asp Ala Glu Lys Trp Gln Ala Gln Pro Gly Ala  
 65                      70                      75                      80  
 Thr Glu Glu Ser Cys Met Val Gly Ala  
                     85

<210> 7326  
 <211> 288  
 <212> PRT  
 <213> Homo sapiens

<400> 7326  
 Met Asp Val Ile Glu Lys Pro Glu Asn Asp Pro Glu Trp Trp Lys Cys  
 1                      5                      10                      15  
 Arg Lys Ile Asn Gly Met Val Gly Leu Val Pro Lys Asn Tyr Val Thr  
                     20                      25                      30  
 Val Met Xaa Xaa Asn Pro Leu Thr Ser Gly Leu Glu Pro Ser Pro Pro  
                     35                      40                      45  
 Gln Cys Asp Tyr Ile Arg Pro Ser Leu Thr Gly Lys Phe Ala Gly Asn  
     50                      55                      60  
 Pro Trp Tyr Tyr Gly Lys Val Thr Arg His Gln Ala Glu Met Ala Leu  
 65                      70                      75                      80  
 Asn Glu Arg Gly His Glu Gly Asp Phe Leu Ile Arg Asp Ser Glu Ser  
                     85                      90                      95

<210> 7327  
 <211> 216  
 <212> PRT  
 <213> Homo sapiens

<400> 7327  
 Met Leu Thr Phe Leu Ile Leu Ile Gly Cys Phe Phe Lys Trp Lys Lys  
 1                      5                      10                      15  
 Tyr Leu Thr Gly Gly Gln Lys Thr Trp Val Gly Ile Leu Val Pro Ser  
                     20                      25                      30  
 Phe Cys Asn Asn Val Gly Leu Leu Cys Pro Ser Ser Ala Leu Leu Pro  
                     35                      40                      45  
 Gln Lys Asn Leu Cys Lys Pro Met Met Ser Asn Arg His Ser Ser Tyr  
     50                      55                      60  
 Trp Ser Gln Leu Thr Glu Leu Thr  
 65                      70

<210> 7328  
 <211> 360  
 <212> PRT  
 <213> Homo sapiens

<400> 7328  
 Met Glu Ala Ser Trp Gly Ser Phe Asn Ala Glu Arg Gly Trp Tyr Val  
 1                      5                      10                      15  
 Ser Val Gln Gln Pro Glu Glu Ala Glu Ala Glu Glu Leu Ser Pro Leu  
                     20                      25                      30



Leu Ser Asn Glu Leu His Arg Gln Arg Ser Pro Gly Val Ser Phe Gly  
           35                          40                          45  
 Leu Ser Val Phe Asn Leu Met Asn Ala Ile Met Gly Ser Gly Ile Leu  
           50                          55                          60  
 Gly Leu Ala Tyr Val Met Ala Asn Thr Gly Val Phe Gly Phe Ser Phe  
 65                          70                          75                          80  
 Leu Leu Leu Thr Val Ala Leu Leu Ala Ser Tyr Ser Val His Leu Leu  
                           85                          90                          95  
 Leu Ser Met Cys Ile Gln Thr Ala Val Thr Ser Tyr Glu Asp Leu Gly  
                   100                          105                          110  
 Leu Phe Ala Phe Gly Leu Pro Gly  
           115                          120

<210> 7329  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 7329  
 Met Asp Asp Asp Asp Ala Lys Leu Lys Ala Glu Ile Glu Ala Glu Leu  
 1                          5                          10                          15  
 Asp Lys Leu Ser Ile Ser Ser Leu Glu Lys Glu Asp Ile Glu Ser Asp  
           20                          25                          30  
 Ala Lys Ser Glu Thr Gln Ser Asp Asp Ser Asp Thr Asp Xaa Val Glu  
           35                          40                          45  
 Leu Pro Glu Ser Val Leu His  
           50                          55

<210> 7330  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 7330  
 Met Pro Phe Arg Asn Ser Lys Arg Ser Arg Phe Phe Ser Asp Glu Asp  
 1                          5                          10                          15  
 Asp Arg Gln Ile Asn Thr Arg Ser Pro Lys Arg Asn Gln Arg Val Ala  
           20                          25                          30  
 Met Val Pro Gln Lys Phe Thr Ala Thr Met Ser Thr Xaa Asp Lys Lys  
           35                          40                          45  
 Ala Ser Gln Lys Ile Gly Phe Arg Leu Arg Asn Leu Leu Lys Leu Pro  
           50                          55                          60  
 Lys Ala His Lys Trp Cys Ile Tyr Glu  
 65                          70

<210> 7331  
 <211> 372  
 <212> PRT  
 <213> Homo sapiens

<400> 7331  
 Met Ala Thr Glu Gly Met Ile Leu Thr Asn His Asp His Gln Ile Arg  
 1                          5                          10                          15  
 Val Gly Val Leu Thr Val Ser Asp Ser Cys Phe Arg Asn Leu Ala Glu

20 25 30  
 Asp Arg Ser Gly Ile Asn Leu Lys Asp Leu Val Gln Asp Pro Ser Leu  
 35 40 45  
 Leu Gly Gly Thr Ile Ser Ala Tyr Lys Ile Val Pro Asp Glu Ile Glu  
 50 55 60  
 Glu Ile Lys Glu Thr Leu Ile Asp Trp Cys Asp Glu Lys Glu Leu Asn  
 65 70 75 80  
 Leu Ile Leu Thr Thr Gly Gly Thr Gly Phe Ala Pro Arg Asp Val Thr  
 85 90 95  
 Pro Glu Ala Thr Lys Glu Val Ile Glu Arg Glu Ala Pro Gly Met Ala  
 100 105 110  
 Leu Ala Met Leu Met Gly Ser Leu Asn Val Thr Pro  
 115 120

<210> 7332  
 <211> 294  
 <212> PRT  
 <213> Homo sapiens

<400> 7332  
 Met Pro Leu Leu Leu Glu Ala Gln Ser Thr Pro Phe Gln Val Thr Pro  
 1 5 10 15  
 Ser Thr Met Ala Asn Ile Val Lys Gly Leu Tyr Thr Leu Arg Pro Glu  
 20 25 30  
 Trp Val Gln Met Ala Pro Thr Leu Phe Ser Lys Phe Ile Pro Asn Ile  
 35 40 45  
 Leu Pro Pro Ala Val Glu Ser Glu Leu Ser Glu Tyr Ala Ala Gln Asp  
 50 55 60  
 Gln Lys Phe Gln Arg Asp Leu Tyr Arg Met Val Leu Gln Gly Val Thr  
 65 70 75 80  
 Ser Pro Gly Arg Glu Leu Gly Met Ser Trp Leu Ile Ile Ala Arg Gln  
 85 90 95  
 His Val

<210> 7333  
 <211> 267  
 <212> PRT  
 <213> Homo sapiens

<400> 7333  
 Met Gly Pro Lys Asp His Met Val Thr Ser Ser Phe Cys Cys Gln Ser  
 1 5 10 15  
 Asp Gly Cys Asn Ser Ala Phe Leu Ser Val Pro Leu Thr Asn Leu Thr  
 20 25 30  
 Glu Asn Gly Leu Met Cys Pro Ala Cys Thr Ala Ser Phe Arg Asp Lys  
 35 40 45  
 Cys Met Gly Pro Met Thr His Cys Thr Gly Lys Glu Asn His Cys Val  
 50 55 60  
 Ser Leu Ser Gly His Val Gln Ala Gly Xaa Phe Lys Pro Arg Phe Ala  
 65 70 75 80  
 Met Arg Gly Cys Ala Thr Glu Ser Met  
 85

<210> 7334

<211> 249  
 <212> PRT  
 <213> Homo sapiens

<400> 7334  
 Met Ser Met Xaa Leu Xaa Glu Leu Glu Thr Glu Gly Glu Arg Gln Leu  
 1 5 10 15  
 Xaa Ser Leu Leu Gln His Gln Leu Asp Thr Ser Val Ser Ile Glu Glu  
 20 25 30  
 Cys Met Ser Lys Lys Glu Ser Phe Ala Pro Gly Thr Met Tyr Lys Pro  
 35 40 45  
 Phe Gly Lys Glu Ala Ala Gly Thr Met Thr Leu Ser Gln Phe Gln Thr  
 50 55 60  
 Leu His Glu Lys Asp Gln Glu Thr Ala Ser Leu Arg Glu Leu Gly Leu  
 65 70 75 80  
 Asn Glu Thr

<210> 7335  
 <211> 279  
 <212> PRT  
 <213> Homo sapiens

<400> 7335  
 Met Glu Glu Ile Tyr Ala Lys Phe Val Ser Gln Lys Ile Xaa Lys Thr  
 1 5 10 15  
 Arg Trp Arg Pro Leu Pro Pro Gly Ser Leu Gln Thr Ala Glu Thr Phe  
 20 25 30  
 Xaa Thr Gly Ser Xaa Xaa Asn Xaa Xaa Asn Xaa Xaa Ser Leu Trp Ser  
 35 40 45  
 Ile Gly Asp Phe Gly Asn Leu Asp Ser Asp Gly Gly Phe Xaa Gly Asp  
 50 55 60  
 His Gln Xaa Leu Cys Asp Ile Arg His His Gly Asp Val Met Asp Leu  
 65 70 75 80  
 Gln Phe Phe Asp Gln Glu Arg Ile Val Ala Ala Ser Ser  
 85 90

<210> 7336  
 <211> 264  
 <212> PRT  
 <213> Homo sapiens

<400> 7336  
 Met Asp Gly Gly Asp Asp Gly Asn Leu Ile Ile Lys Lys Arg Phe Val  
 1 5 10 15  
 Ser Glu Ala Glu Leu Asp Glu Arg Arg Lys Arg Arg Gln Glu Glu Trp  
 20 25 30  
 Glu Lys Val Arg Lys Pro Glu Asp Pro Glu Glu Cys Pro Glu Glu Val  
 35 40 45  
 Tyr Asp Pro Arg Ser Leu Tyr Glu Arg Leu Gln Glu Gln Lys Asp Arg  
 50 55 60  
 Lys Gln Gln Glu Tyr Glu Glu Gln Phe Lys Phe Lys Asn Met Val Arg  
 65 70 75 80  
 Gly Leu Asp Glu Asp Lys Thr Asn  
 85

<210> 7337  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 7337  
 Met Leu Met Leu Leu Trp Glu Gly Val Leu Glu Ser Asp Arg His Gly  
 1 5 10 15  
 Pro Gln Met Gly Glu Gln Leu Leu Lys Ser Gln Ser Ala Asp Pro Phe  
 20 25 30  
 Leu Asn Leu Glu Met Asp Ala Gly Ile Ser Asn Ile Gln Arg Ser Gln  
 35 40 45  
 Ser Trp Leu Ser Asn Ile Gly Pro Thr  
 50 55

<210> 7338  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 7338  
 Met Phe Ser Val Ser Lys Leu Ile Ala Gln Glu Thr Ile Met Glu Ser  
 1 5 10 15  
 Leu Asp Gly Leu His Leu Pro Glu Ser Ser Arg Glu Thr Thr Ala Met  
 20 25 30  
 Ile Leu Met Asn Val Tyr Cys Asn Lys Ile Leu Lys Pro Val Asp Gly  
 35 40 45  
 Ser Cys Cys Gln Pro Arg Pro Pro Val Thr Leu Ile Gln  
 50 55 60

<210> 7339  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 7339  
 Met Ile Ser Ala His Tyr Asn Leu Arg Leu Xaa Gly Ser Ser Asp Ser  
 1 5 10 15  
 Pro Ala Ser Ala Ser Arg Val Ala Gly Thr Thr Gly Val Arg His His  
 20 25 30  
 Ala Trp Leu Ile Phe Cys Ile Phe Gly Arg Asp Gly Val Ser Pro Cys  
 35 40 45  
 Trp Ser Gly Trp Ser Arg Thr Pro Asp Leu Val Val Cys Pro Pro Arg  
 50 55 60  
 Pro Pro Lys Val Pro  
 65

<210> 7340  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 7340

Met His Val His Leu Lys Arg Val His Gln Gln Ala Leu Cys Glu Gln  
 1 5 10 15  
 Gln Gly Cys Leu Phe His Leu Gly Ala Gly Trp Leu Ser Leu Lys Lys  
 20 25 30  
 Glu Ser Ala Asn Phe Gly Gly Ile Ile Ile Ser Ser Tyr Xaa Xaa Gly  
 35 40 45  
 Ile Gly Gly Pro Gly Val Asp Leu Thr Lys Tyr Ile Leu  
 50 55 60

<210> 7341  
 <211> 285  
 <212> PRT  
 <213> Homo sapiens

<400> 7341  
 Met Pro Met Cys Asn Leu Val Xaa Tyr Thr His Val Trp Ser Pro Val  
 1 5 10 15  
 Cys Arg Pro Ala Ala Gln Arg Arg Arg Arg Asn Thr Pro Gly Trp Ser  
 20 25 30  
 Gly Phe Gln Gly Leu Thr Arg Ala Pro Ala Leu Phe Pro Arg Leu Ile  
 35 40 45  
 Phe Gln Val Ile Phe Glu Trp Ala Ile Phe Ala Tyr Ile Leu Ser Leu  
 50 55 60  
 Asp Pro Leu Gln Lys Ala Leu Leu Pro Ser Lys Arg Lys Asn Ile Ser  
 65 70 75 80  
 Tyr Leu Gln Thr Val Leu Arg Glu Gln Ser Ser Phe Ser Arg Ser  
 85 90 95

<210> 7342  
 <211> 291  
 <212> PRT  
 <213> Homo sapiens

<400> 7342  
 Met Met Asn Lys Leu Tyr Ile Gly Asn Leu Ser Pro Ala Val Thr Ala  
 1 5 10 15  
 Asp Asp Leu Arg Gln Leu Phe Gly Asp Arg Lys Leu Pro Leu Ala Gly  
 20 25 30  
 Gln Val Leu Leu Lys Ser Gly Tyr Ala Phe Val Asp Tyr Pro Asp Gln  
 35 40 45  
 Asn Trp Ala Ile Arg Ala Ile Glu Thr Leu Ser Gly Lys Val Glu Leu  
 50 55 60  
 His Gly Lys Ile Met Glu Val Asp Tyr Ser Val Ser Lys Lys Leu Arg  
 65 70 75 80  
 Ser Arg Lys Ile Gln Ile Arg Asn Ile Pro Pro His Leu Gln Trp Glu  
 85 90 95  
 Val

<210> 7343  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 7343

Met His Lys Gly Trp Lys Asn Tyr Cys Ser Gln Lys Ser Leu Asn Glu  
 1 5 10 15  
 Ala Ser Met Asp Glu Tyr Leu Gly Ser Leu Gly Leu Phe Arg Lys Leu  
 20 25 30  
 Thr Ala Lys Asp Ala Ser Cys Leu Phe Arg Ala Ile Ser Glu Gln Leu  
 35 40 45  
 Phe Cys Ser Gln Val His His Leu Glu Ile Arg Lys Ala  
 50 55 60

<210> 7344  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 7344  
 Met Phe Ile Ala Ala Leu Phe Thr Val Ala Lys Ile Trp Asn Gln Pro  
 1 5 10 15  
 Lys Cys Pro Ser Thr Asp Glu Trp Ile Asn Lys Met Trp Tyr Ile Tyr  
 20 25 30  
 Thr Met Glu Tyr Tyr Pro Asp Ile Lys Lys Asn Gly Ile Leu Thr Phe  
 35 40 45  
 Lys Ala Thr Arg Met Asn Arg Lys Thr Leu  
 50 55

<210> 7345  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 7345  
 Met Ser Tyr Phe Gly Lys Phe Tyr Leu Val Gly Leu Asp Ala Arg Lys  
 1 5 10 15  
 Ala Ala Asp Trp Leu Phe Ser Ala Asp Val Ser Arg Pro Pro Gly Ser  
 20 25 30  
 Thr Val Tyr Thr Cys Met Leu Asn His His Gly Gly Thr Glu Ser Asp  
 35 40 45  
 Leu Thr Val Ser Arg Leu Ala Pro Ser Xaa Gln  
 50 55

<210> 7346  
 <211> 258  
 <212> PRT  
 <213> Homo sapiens

<400> 7346  
 Met Ala Pro Gly Thr Pro Lys Ser Leu Leu Leu Ser Ala Ser Ile Lys  
 1 5 10 15  
 Arg Glu Gly Glu Xaa Xaa Thr Ala Ser Pro His Ser Ser Ala Thr Asp  
 20 25 30  
 Asp Leu His His Ser Asp Arg Tyr Gln Thr Phe Leu Arg Val Arg Ala  
 35 40 45  
 Asn Arg Gln Thr Arg Leu Asn Ala Arg Ile Gly Xaa Met Lys Arg Arg  
 50 55 60  
 Lys Gln Asp Glu Gly Gln Arg Glu Gly Ser Cys Met Ala Glu Asp Asp

65                      70  
Ala Val Asp Ile Glu His  
85

75

80

<210> 7347  
<211> 159  
<212> PRT  
<213> Homo sapiens

<400> 7347  
Met Arg Glu Arg Gly Arg Glu Arg Gly Asn Pro Gly Leu Lys Thr Val  
1                      5                      10                      15  
Lys Phe Lys Leu Lys Gly Arg Asp Thr Asn Gln Gly Ile Phe Arg Glu  
20                      25                      30  
Arg Lys Arg Glu Pro Ala Xaa Leu Gly Gln Phe Gly Gly Val Thr Tyr  
35                      40                      45  
His Thr Gly Asn Gln  
50

<210> 7348  
<211> 333  
<212> PRT  
<213> Homo sapiens

<400> 7348  
Met Asp Lys Phe Leu Asp Arg Tyr Thr Leu Pro Arg Leu Asn Gln Glu  
1                      5                      10                      15  
Lys Val Glu Ser Leu Asn Arg Pro Ile Thr Gly Ser Glu Ile Glu Ala  
20                      25                      30  
Ile Ile Asn Ser Leu Pro Thr Lys Lys Ser Pro Gly Pro Asp Gly Phe  
35                      40                      45  
Thr Ala Lys Phe Tyr Gln Arg Tyr Lys Asp Gly Leu Val Pro Phe Leu  
50                      55                      60  
Leu Lys Leu Phe Gln Ser Ile Glu Lys Glu Gly Ile Leu Pro Asn Ser  
65                      70                      75                      80  
Phe Phe Glu Ala Ser Ile Ile Leu Ile Pro Lys Pro Gly Arg Asp Thr  
85                      90                      95  
Thr Lys Xaa Glu Asn Phe Arg Pro Ile Ser Leu Met Thr Ser Met  
100                      105                      110

<210> 7349  
<211> 204  
<212> PRT  
<213> Homo sapiens

<400> 7349  
Met Leu Glu Met Glu Met Thr Trp Leu Arg Leu Cys Asp Glu Cys Ser  
1                      5                      10                      15  
Arg Trp Gly Met Ala Ser Ala Trp Gly Arg Gly Gly Lys Leu Leu Gly  
20                      25                      30  
Ala Gln Val Ala Leu His Pro Arg Asn Cys Ser Lys Ala Lys Ile Phe  
35                      40                      45  
Leu Phe Ser Ile Leu Leu Met Ser Leu Arg Thr Phe His Cys Asn Tyr  
50                      55                      60

Phe Arg Gly Asn  
65

<210> 7350  
<211> 246  
<212> PRT  
<213> Homo sapiens

<400> 7350  
Met His Leu Cys Gly Gly Asn Gly Leu Leu Thr Gln Thr Asp Pro Lys  
1 5 10 15  
Glu Gln Gln Arg Gln Leu Lys Lys Gln Lys Asn Arg Ala Ala Ala Gln  
20 25 30  
Arg Xaa Gly Arg Ser Thr Gln Thr Arg Gln Thr Pro Cys Thr Arg Cys  
35 40 45  
Gly Gln Pro Leu Thr Pro Phe Leu Val Ser Gly Ser Thr Tyr Trp Pro  
50 55 60  
Ser His Leu Xaa Ser Ile Pro Pro Xaa Ser Arg Pro Pro Pro Asn Ser  
65 70 75 80  
Cys Lys

<210> 7351  
<211> 168  
<212> PRT  
<213> Homo sapiens

<400> 7351  
Met Asn Pro Phe His Asp Leu His Arg Pro Ser Met Thr Cys Leu Asp  
1 5 10 15  
Phe Leu Thr Cys Pro Lys His Pro Ser Leu Asn Asn His Ser Phe Asn  
20 25 30  
Phe Arg Ala Arg Ile Tyr His Thr Gly Ser Cys Leu Ile Gln Asn Tyr  
35 40 45  
Tyr Cys Tyr Ile Leu Pro Tyr Gln  
50 55

<210> 7352  
<211> 159  
<212> PRT  
<213> Homo sapiens

<400> 7352  
Met Leu Leu Phe Val Glu Gln Val Ala Ser Lys Gly Thr Gly Leu Asn  
1 5 10 15  
Pro Asn Ala Lys Val Trp Gln Glu Ile Ala Pro Gly Asn Thr Asp Ala  
20 25 30  
Thr Pro Val Thr His Gly Xaa Glu Xaa Ser Trp His Glu Ile Ala Ala  
35 40 45  
Thr Ser Gly Ala His  
50

<210> 7353  
<211> 300  
<212> PRT



<213> Homo sapiens

<400> 7353

Met Ala Val Leu Pro Lys Gly Met Tyr Arg Phe Asn Val Ile Pro Ile  
1 5 10 15  
Lys Leu Pro Met Arg Phe Phe Thr Glu Leu Glu Lys Phe Ile Leu Gln  
20 25 30  
Phe Ile Trp Asn Gln Lys Arg Ala Leu Ile Val Lys Val Ile Leu Ser  
35 40 45  
Glu Asn Asn Arg Ala Asn Lys Ala Arg Gly Ile Thr Leu Pro Asn Phe  
50 55 60  
Lys Leu Cys Tyr Arg Ala Thr Val Xaa Asn Ile Ala Trp Tyr Trp His  
65 70 75 80  
Lys Asn Arg Tyr Ile His Gln Trp Xaa Arg Xaa Glu Ile Pro Xaa Ile  
85 90 95  
Xaa His Thr Phe  
100

<210> 7354

<211> 273

<212> PRT

<213> Homo sapiens

<400> 7354

Met Asn Thr Cys Pro Ser Val Tyr Pro Ser Ile Pro Glu His Leu His  
1 5 10 15  
Pro Ser Gln Gln Lys Pro Glu Pro Xaa Pro His Arg Ala Pro Lys Leu  
20 25 30  
Leu Ser Lys Gly Glu Gln Arg Leu Asp Ala Ala Arg Lys Thr Ser Met  
35 40 45  
Ser Ala Cys Gln Gly Lys Ala Gln His Ser His Leu Leu Pro His His  
50 55 60  
Gly Pro Pro Cys Ser Arg Gln Gly Val Pro Ser Arg Arg Gly Ala Cys  
65 70 75 80  
Thr Lys Ala Ser Cys Ser Gly Arg Arg Ala Val  
85 90

<210> 7355

<211> 243

<212> PRT

<213> Homo sapiens

<400> 7355

Met Ala Thr Leu Ala Arg Leu Gln Ala Arg Ser Ser Thr Val Gly Asn  
1 5 10 15  
Gln Tyr Tyr Phe Arg Asn Ser Val Val Asp Pro Phe Arg Lys Lys Glu  
20 25 30  
Asn Asp Ala Ala Val Lys Ile Gln Ser Trp Phe Arg Gly Cys Gln Val  
35 40 45  
Arg Ala Tyr Ile Arg His Leu Asn Arg Ile Val Thr Ile Ile Gln Lys  
50 55 60  
Trp Trp Arg Ser Phe Leu Gly Arg Lys Gln Tyr Gln Leu Thr Val Gln  
65 70 75 80  
Val

<210> 7356  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7356  
 Met Phe Glu Pro Ala Cys Arg Gly Gly Ser Lys Arg Xaa Ser Thr Phe  
 1 5 10 15  
 Pro Ile Arg Pro Arg Ser Gly Leu Ala Pro Pro Gly Glu Met Glu Thr  
 20 25 30  
 Gln Lys Arg Val Asn Arg Val Ala Leu Leu Arg Ala Arg Met Pro Thr  
 35 40 45  
 Ser Val Ala Gly Ala Val Pro Ser Ser Leu Asn Tyr Gln Ile  
 50 55 60

<210> 7357  
 <211> 309  
 <212> PRT  
 <213> Homo sapiens

<400> 7357  
 Met Ala Phe Ser Gln Ile Leu Thr Gly Arg Arg Phe Ile Ser Gly Thr  
 1 5 10 15  
 Ser Gln Val Xaa Cys Xaa Cys Ser Gly Ser Cys Tyr Cys Pro Val Arg  
 20 25 30  
 Asn Gln Tyr Leu Glu Lys Glu Gln Arg Arg Gln Tyr Leu Leu Arg Leu  
 35 40 45  
 Lys Asn Ser Gln Leu Glu Lys Thr Tyr Gly Glu Met Ala Lys Ile Val  
 50 55 60  
 Asp Val Pro Thr Lys Gln Leu Arg Ala Ala Asn Pro Ile Asp Ser Met  
 65 70 75 80  
 Leu Cys His Phe Cys His Asn Val Ser Phe Pro Cys Thr Arg Asn Gly  
 85 90 95  
 Cys Val Asp Met Glu His Phe  
 100

<210> 7358  
 <211> 447  
 <212> PRT  
 <213> Homo sapiens

<400> 7358  
 Met Ser Lys Ser Leu Gly Asn Val Leu Asp Pro Arg Asp Ile Ile Ser  
 1 5 10 15  
 Gly Val Glu Met Gln Leu Leu Gln Glu Lys Leu Arg Ser Gly Asn Leu  
 20 25 30  
 Asp Pro Ala Glu Leu Ala Ile Val Ala Ala Ala Gln Lys Lys Asp Phe  
 35 40 45  
 Pro His Gly Ile Pro Glu Cys Gly Thr Asp Ala Leu Arg Phe Thr Leu  
 50 55 60  
 Cys Ser His Gly Val Gln Ala Gly Asp Leu His Leu Ser Val Ser Glu  
 65 70 75 80  
 Val Gln Ser Cys Arg His Phe Cys Asn Lys Ile Trp Asn Ala Leu Arg

85 90 95  
 Phe Ile Leu Asn Ala Leu Gly Glu Lys Phe Val Pro Gln Pro Ala Glu  
 100 105 110  
 Glu Leu Ser Pro Ser Ser Pro Met Asp Ala Trp Ile Leu Ser Arg Leu  
 115 120 125  
 Ala Leu Ala Ala Gln Glu Cys Glu Arg Gly Phe Leu Xaa Arg Glu Leu  
 130 135 140  
 Ser Leu Val Thr His  
 145

<210> 7359  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 7359  
 Met Tyr Leu Pro Ala Thr Phe Ser Gln Leu Trp Pro Gly Pro Arg Ser  
 1 5 10 15  
 Ser Met Phe Cys Pro Ser Val Lys Gly Leu Leu Ser Leu Leu Arg Arg  
 20 25 30  
 His Asn Trp Leu Leu Leu Arg Thr Leu Glu Xaa Arg Leu Asp Arg Leu  
 35 40 45  
 Ala Leu Ser Gly Pro Ser Thr Tyr Thr Pro Cys Pro Leu Ser Ser Gln  
 50 55 60

<210> 7360  
 <211> 228  
 <212> PRT  
 <213> Homo sapiens

<400> 7360  
 Met Ser Leu Gly Pro Arg Ala Ile His Cys Arg Arg Ser Leu Arg Glu  
 1 5 10 15  
 Leu Glu Phe Ser Val Glu Xaa His Pro Gln Xaa Ser Ile Ser Glu Thr  
 20 25 30  
 Val Ile Leu Arg Gly Glu Pro Glu Lys Leu Gly Gln Ala Leu Thr Glu  
 35 40 45  
 Val Tyr Ala Lys Ala Asn Ser Phe Thr Val Ser Ser Val Ala Ala Pro  
 50 55 60  
 Ser Trp Leu Xaa Arg Xaa Ile Ile Gly Lys Lys Gly  
 65 70 75

<210> 7361  
 <211> 234  
 <212> PRT  
 <213> Homo sapiens

<400> 7361  
 Met Glu Asn Phe Val Gln Ser Ser Gly Glu Asp Gly Ile Val Val Phe  
 1 5 10 15  
 Ser Leu Gly Ser Leu Phe Gln Asn Val Thr Glu Glu Lys Ala Asn Ile  
 20 25 30  
 Ile Ala Ser Ala Leu Ala Gln Ile Pro Gln Lys Val Leu Trp Arg Tyr  
 35 40 45

Lys Gly Lys Lys Pro Ser Thr Leu Gly Ala Asn Thr Arg Leu Tyr Asp  
 50 55 60  
 Trp Ile Pro Gln Asn Asp Leu Leu Gly His Pro Lys Thr Lys  
 65 70 75

<210> 7362  
 <211> 270  
 <212> PRT  
 <213> Homo sapiens

<400> 7362  
 Met Gly Leu Leu Ser Leu Trp Thr Asn Pro Arg Lys Ser Leu Lys Ser  
 1 5 10 15  
 Ser Gln Cys Phe Gly Leu Cys Pro Val Tyr Leu Lys Leu Pro Asn Lys  
 20 25 30  
 Tyr Val Leu Lys Ile Gln Asn Gly Leu Met Phe Thr Cys Thr Phe Tyr  
 35 40 45  
 Asn Cys Leu Leu Gln Trp Met Met Glu Phe Lys Gln Leu Tyr Ile Val  
 50 55 60  
 Leu Thr Leu Glu Lys Thr Phe Gly Ile Tyr Phe Leu Thr Trp Ser Ala  
 65 70 75 80  
 Met Asn Ser Ala Ser Leu Met Ile Gln Pro  
 85 90

<210> 7363  
 <211> 204  
 <212> PRT  
 <213> Homo sapiens

<400> 7363  
 Met Asn Leu Pro Phe Val Ser Ile Thr Val Ser Ala Arg Cys Asn Lys  
 1 5 10 15  
 Val Met Leu Asn Lys Thr Trp Tyr Leu Tyr Leu His Met Ala Tyr Gln  
 20 25 30  
 Leu Ser Ile Thr Asn Leu Lys Ile Gln Asn Leu Lys Cys Ser Leu Glu  
 35 40 45  
 His Leu Ser Ile Ile Leu Ser Xaa Lys Ser Phe Gln Xaa Leu Xaa His  
 50 55 60  
 Phe Ala Phe Ser  
 65

<210> 7364  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7364  
 Met Val Val Asp Glu Gln Gln Arg Leu Thr Ala Gln Leu Thr Leu Gln  
 1 5 10 15  
 Arg Gln Lys Ile Gln Glu Leu Thr Thr Asn Ala Lys Glu Thr His Thr  
 20 25 30  
 Lys Leu Ala Leu Ala Glu Ala Arg Val Gln Glu Glu Glu Gln Lys Ala  
 35 40 45  
 Thr Arg Leu Glu

50

<210> 7365  
 <211> 216  
 <212> PRT  
 <213> Homo sapiens

<400> 7365  
 Met Glu Asp Thr Asp Ile Glu Asp Ser Leu Tyr Lys Asp Val Asp Tyr  
 1 5 10 15  
 Gly Thr Glu Val Leu Gln Ile Glu His Ser Tyr Cys Arg Gln Asp Ile  
 20 25 30  
 Asn Lys Glu His Leu Trp Gln Lys Val Ser Lys Leu His Ser Lys Ile  
 35 40 45  
 Thr Leu Leu Glu Leu Lys Glu Gln Gln Thr Leu Gly Arg Leu Lys Ser  
 50 55 60  
 Leu Glu Ala Leu Ile Arg Gln His  
 65 70

<210> 7366  
 <211> 267  
 <212> PRT  
 <213> Homo sapiens

<400> 7366  
 Met Leu Ser Arg Pro Lys Pro Gly Glu Ser Glu Val Asp Leu Leu His  
 1 5 10 15  
 Phe Gln Ser Gln Phe Leu Ala Ala Gly Ala Ala Pro Ala Val Gln Leu  
 20 25 30  
 Val Lys Lys Gly Asn Arg Gly Gly Asp Ala Asn Ser Asp Arg Pro  
 35 40 45  
 Pro Leu Gln Asp His Arg Asp Val Val Met Leu Asp Asn Leu Pro Asp  
 50 55 60  
 Leu Pro Pro Ala Leu Val Pro Ser Pro Pro Lys Arg Ala Arg Pro Ser  
 65 70 75 80  
 Pro Gly His Cys Leu Pro Glu Asp Glu  
 85

<210> 7367  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 7367  
 Met Ala Asn Asp Pro Leu Glu Gly Phe His Glu Val Asn Leu Ala Ser  
 1 5 10 15  
 Pro Thr Ser Pro Asp Leu Leu Gly Val Tyr Glu Ser Gly Thr Gln Glu  
 20 25 30  
 Gln Thr Thr Ser Pro Ser Val Ile Tyr Arg Pro His Pro Ser Ala Leu  
 35 40 45  
 Ser Ser Val Pro Ile Gln Ala Asn Ala Leu Asp Val Ser Glu Leu Pro  
 50 55 60  
 Thr Gln Pro Val Tyr Ser Ser Pro Ser  
 65 70

<210> 7368  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7368  
 Met Glu Thr Trp Lys Gly Thr Thr Glu Ser Arg Asn Gly Asn Pro Asn  
 1 5 10 15  
 Ile Pro Trp Glu Ala Gly Phe Asp Phe Val Cys Trp Trp Trp Cys Lys  
 20 25 30  
 Asn Glu Gly Cys Asp Leu Phe Ser Ser Ala Cys Val Ile Pro Ser Tyr  
 35 40 45  
 Phe Phe Phe Phe  
 50

<210> 7369  
 <211> 285  
 <212> PRT  
 <213> Homo sapiens

<400> 7369  
 Met Val Asp Tyr Val Ala Asn Tyr Met Glu Gly Ile Glu Gly Arg Gln  
 1 5 10 15  
 Val Tyr Pro Asp Val Glu Pro Gly Tyr Leu Arg Pro Leu Ile Pro Ala  
 20 25 30  
 Ala Ala Pro Gln Glu Pro Asp Thr Phe Glu Asp Ile Ile Asn Asp Val  
 35 40 45  
 Glu Lys Ile Ile Met Pro Gly Val Thr His Trp His Ser Pro Tyr Phe  
 50 55 60  
 Phe Ala Tyr Phe Pro Thr Ala Ser Ser Tyr Pro Ala Met Leu Ala Asp  
 65 70 75 80  
 Met Leu Cys Gly Ala Ile Gly Cys Ile Gly Phe Ser Trp Gly Cys  
 85 90 95

<210> 7370  
 <211> 222  
 <212> PRT  
 <213> Homo sapiens

<400> 7370  
 Met Gly Lys Leu Ser Val Gln Thr Leu Asp Ser Phe Ile Val Lys Arg  
 1 5 10 15  
 Ile His Thr Gly Glu Arg Pro Tyr Asn Lys Cys Asp Lys Cys Asn Lys  
 20 25 30  
 Ala Phe Gly Gln Trp Ser Val Leu Asn Gln His Gln Arg Leu His Thr  
 35 40 45  
 Arg Glu Ile Cys Tyr Tyr Gln Cys Asn Lys Cys Gly Lys Phe Thr Val  
 50 55 60  
 Arg Ile Gln Leu Phe His His Ile Arg Ile  
 65 70

<210> 7371  
 <211> 228

<212> PRT

<213> Homo sapiens

<400> 7371

Met	Val	Val	Val	Thr	Gly	Arg	Glu	Pro	Asp	Ser	Arg	Arg	Gln	Asp	Gly
1				5					10					15	
Ala	Met	Ser	Ser	Ser	Asp	Ala	Glu	Asp	Asp	Phe	Leu	Glu	Pro	Ala	Thr
			20					25					30		
Pro	Thr	Ala	Thr	Gln	Ala	Gly	His	Ala	Xaa	Pro	Pro	Ala	Ala	Thr	Gly
		35				40						45			
Ser	Phe	Leu	Arg	Leu	Phe	Pro	Xaa	Thr	Ser	Glu	Gly	Leu	Thr	Ser	Leu
	50					55					60				
His	Ala	Cys	Pro	His	Cys	Gly	Ala	Thr	Lys	Thr	Pro				
65					70					75					

<210> 7372

<211> 204

<212> PRT

<213> Homo sapiens

<400> 7372

Met	Ser	His	Arg	Ala	Arg	Pro	Pro	Gln	Phe	Phe	Phe	Ser	Glu	Phe	His
1				5					10					15	
Val	Thr	Gln	Asn	Ile	Pro	Phe	Cys	Phe	Gly	Ala	Ser	Tyr	Arg	Glu	Ala
			20					25					30		
Gln	Ala	Ser	Leu	Glu	Trp	Asn	Val	Gln	Phe	Leu	Ser	Xaa	Gln	Lys	Val
		35				40						45			
Lys	Asp	Tyr	Leu	Leu	Phe	Lys	Ile	Arg	Glu	Asn	Glu	Lys	Xaa	Xaa	Ala
	50					55					60				
Leu	Phe	Pro	Ser												
65															

<210> 7373

<211> 195

<212> PRT

<213> Homo sapiens

<400> 7373

Met	Gln	Met	Asp	Asn	Arg	Leu	Pro	Pro	Lys	Lys	Val	Pro	Gly	Phe	Cys
1				5					10					15	
Ser	Phe	Arg	Tyr	Gly	Leu	Ser	Phe	Leu	Val	His	Cys	Cys	Asn	Val	Ile
			20					25					30		
Ile	Thr	Ala	Gln	Arg	Ala	Cys	Leu	Asn	Leu	Thr	Met	Val	Val	Met	Val
		35				40						45			
Asn	Ser	Thr	Asp	Pro	His	Gly	Leu	Pro	Asn	Thr	Ser	Thr	Lys	Lys	Leu
	50					55					60				
Leu															
65															

<210> 7374

<211> 279

<212> PRT

<213> Homo sapiens

<400> 7374

Met Phe Gly Gly Thr Pro Arg Gln Gln Asp Arg Asn Ile Pro Arg Gly  
1 5 10 15  
Ser Asp Ile Ile Val Asp Leu Glu Val Thr Leu Glu Glu Val Tyr Ala  
20 25 30  
Gly Asn Xaa Val Glu Val Val Arg Asn Lys Pro Val Ala Arg Gln Ala  
35 40 45  
Pro Gly Lys Arg Lys Cys Asn Cys Arg Gln Glu Met Arg Thr Thr Gln  
50 55 60  
Leu Gly Pro Gly Arg Phe Gln Met Thr Gln Glu Val Val Cys Asp Glu  
65 70 75 80  
Cys Pro Asn Val Lys Leu Val Asn Glu Glu Arg Thr Leu  
85 90

<210> 7375

<211> 165

<212> PRT

<213> Homo sapiens

<400> 7375

Met Gln Glu Ile Thr Glu Gln Gln Asp Ile Ala Gln Glu Ile Ser Glu  
1 5 10 15  
Ala Phe Ser Gln Arg Val Gly Phe Gly Asp Asp Phe Asp Glu Asp Glu  
20 25 30  
Leu Met Ala Glu Leu Glu Glu Leu Glu Gln Glu Glu Leu Asn Lys Lys  
35 40 45  
Met Thr Asn Ile Arg Leu Pro  
50 55

<210> 7376

<211> 183

<212> PRT

<213> Homo sapiens

<400> 7376

Met Phe Ile Ala Ala Leu Phe Thr Val Ala Glu Thr Trp Asn Gln Ser  
1 5 10 15  
Lys Cys Leu Ser Ile Ile Asp Trp Xaa Lys Lys Met Trp Tyr Ile Tyr  
20 25 30  
Thr Met Glu Tyr Tyr Ala Ala Ile Lys Lys Xaa Lys Ile Met Ser Phe  
35 40 45  
Ala Gly Thr Trp Met Lys Val Glu Ala Ile Ile Leu Ser  
50 55 60

<210> 7377

<211> 249

<212> PRT

<213> Homo sapiens

<400> 7377

Met Gln Trp Ile Arg Gly Gly Ser Gly Met Leu Ile Thr Gly Asp Ser  
1 5 10 15  
Ile Val Ser Ala Glu Ala Val Xaa Trp Asp His Val Thr Met Ala Asn  
20 25 30



Arg Glu Leu Ala Phe Lys Ala Gly Asp Val Ile Lys Val Leu Asp Ala  
 35 40 45  
 Ser Asn Lys Asp Trp Trp Trp Gly Gln Ile Asp Asp Glu Glu Gly Trp  
 50 55 60  
 Phe Pro Ala Ser Phe Val Arg Leu Trp Val Asn Gln Glu Asp Glu Val  
 65 70 75 80  
 Glu Glu Gly

<210> 7378  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7378  
 Met Leu Asn Cys Cys Phe Gly Gln Leu Leu Phe Gln Xaa Xaa Ser Phe  
 1 5 10 15  
 Ser Ser Pro Lys Glu Ser Val Pro Arg Arg His Leu Ser Glu Gly Thr  
 20 25 30  
 Asn Ser Tyr Ala Thr Arg Leu Leu Asn Asn His Gln Val Pro Pro Gln  
 35 40 45  
 Ser Glu Pro Val Ser  
 50

<210> 7379  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7379  
 Met Ser Pro Arg Leu Val Ser Asn Ser Trp Ala Gln Ala Ile Ser Pro  
 1 5 10 15  
 Thr Ser Ala Ser Gln Asn Ile Gly Ile Thr Gly Val Xaa Thr Thr Leu  
 20 25 30  
 Gly Pro Tyr Leu Val Leu Arg Ile Ser Trp Xaa Xaa Xaa Gly Asn Leu  
 35 40 45  
 Phe Ser Arg Gly Val  
 50

<210> 7380  
 <211> 336  
 <212> PRT  
 <213> Homo sapiens

<400> 7380  
 Met Asp Cys Ser Cys Gln Pro Ala Pro Ala Val Ser Pro Pro Ser Leu  
 1 5 10 15  
 Cys Ala Glu Ala Gln Arg Ser Thr Leu Pro Ser Ser Trp Val Leu Gly  
 20 25 30  
 Cys Ile Gln Glu Gly Leu Xaa Xaa Xaa Xaa Asn Xaa Xaa Pro Lys Gly  
 35 40 45  
 Gly Arg Pro Gly Met Leu Gln Thr Ile Asp Ser Gln Ile Gly His Ser  
 50 55 60  
 Lys Gly Ser Arg Arg Glu Ala Arg Phe Pro Thr Gln Cys Leu Pro Gly  
 65 70 75 80

Asp Pro Arg Val Ser Pro Ala Val Leu Leu Thr Pro Gly Gly Cys Lys  
                             85                            90                            95  
 Arg Ser Leu Trp Gly Gly Asn Val Tyr Leu Ser Gly Arg Leu Phe Ala  
                             100                            105                            110

<210> 7381  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7381  
 Met Ser Ile Ser Gln Lys Ser Gly Phe Leu Asn Gly Cys Phe Ala Gln  
 1                            5                            10                            15  
 Gly Leu Met Gln Thr Asn Lys Met Ser Asn Leu His Leu Arg Xaa Ile  
                             20                            25                            30  
 Tyr Asn Thr Asn Ile Leu Ser Phe Tyr Leu Tyr Thr Arg Glu Arg Met  
                             35                            40                            45  
 His Glu Leu Ile Tyr Ser Phe Asn Lys Arg Leu Leu Thr Pro  
                             50                            55                            60

<210> 7382  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 7382  
 Met Glu Ala Glu Asn Ala Gly Ser Tyr Ser Leu Gln Gln Ala Gln Ala  
 1                            5                            10                            15  
 Phe Tyr Thr Phe Pro Phe Gln Gln Leu Met Ala Glu Ala Pro Asn Met  
                             20                            25                            30  
 Ala Val Val Asn Glu Gln Xaa Met Pro Glu Glu Val Pro Ala Pro Ala  
                             35                            40                            45  
 Pro Ala Gln Glu Pro Val Gln Glu Ala Pro Lys Gly Arg Lys Arg Lys  
                             50                            55                            60  
 Pro Arg Thr Thr Glu Pro Lys Gln Pro  
 65                            70

<210> 7383  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 7383  
 Met Glu Phe Ser Gly Pro Ile Met Val His Tyr Ser Leu Lys Leu Pro  
 1                            5                            10                            15  
 Gly Ser Ser Asn Pro Thr Met Ser Ala Phe Pro Ser Xaa Trp Asp Tyr  
                             20                            25                            30  
 Arg Ser His Thr Val Thr Xaa Xaa Gly Val Gln Trp His Asn Leu Cys  
                             35                            40                            45  
 Ser Leu Gln Pro Pro Xaa Ala Xaa Leu Lys Gln Phe Ser Cys Leu  
                             50                            55                            60

<210> 7384  
 <211> 180

004220" 66667550

<212> PRT  
<213> Homo sapiens

<400> 7384

Met Phe Ser Ala Ser Phe Arg Ser Ser Phe Arg Ala Gly Leu Val Val  
1 5 10 15  
Thr Lys Ser Leu Ser Ile Cys Leu Ser Val Lys Tyr Phe Ile Ser Pro  
20 25 30  
Ser Pro Met Lys Leu Ser Leu Ala Gly Tyr Glu Ile Leu Gly Leu Lys  
35 40 45  
Ile Leu Xaa Phe Lys Asn Ile Glu Tyr Trp Pro Gln  
50 55 60

<210> 7385  
<211> 213  
<212> PRT  
<213> Homo sapiens

<400> 7385

Met Gly Asn Cys His Thr Val Gly Pro Asn Glu Ala Leu Val Val Ser  
1 5 10 15  
Gly Gly Cys Cys Gly Ser Asp Tyr Lys Gln Tyr Val Phe Gly Gly Trp  
20 25 30  
Ala Xaa Gly Leu Val Val Tyr Leu Arg His Ser Glu Asp Phe Pro Arg  
35 40 45  
Asp Tyr Asp Val Ala Ala Pro Leu Arg Gly Arg Arg Asp Gly Arg Gly  
50 55 60  
Gly Ser Phe Asn Cys Asp Gly  
65 70

<210> 7386  
<211> 309  
<212> PRT  
<213> Homo sapiens

<400> 7386

Met Ala Ala Ala Ala Leu Gly Ser Ser Ser Gly Ser Ala Ser Pro Xaa  
1 5 10 15  
Val Ala Glu Leu Cys Gln Asn Thr Pro Glu Thr Phe Leu Glu Ala Ser  
20 25 30  
Lys Leu Leu Leu Thr Tyr Ala Asp Asn Ile Leu Arg Asn Pro Asn Asp  
35 40 45  
Glu Lys Tyr Arg Ser Ile Arg Ile Gly Asn Thr Ala Phe Ser Thr Arg  
50 55 60  
Leu Leu Pro Val Arg Gly Ala Val Glu Cys Leu Phe Glu Met Gly Phe  
65 70 75 80  
Glu Glu Gly Glu Xaa Ile Ser Ser Phe Leu Lys Lys Leu Xaa Trp Ser  
85 90 95  
Ser Cys Lys Lys Ile Arg Xaa  
100

<210> 7387  
<211> 153  
<212> PRT

<213> Homo sapiens

<400> 7387

Met Arg Pro Asn Thr Lys His Glu Ile Asp Ser Cys Ala His Ser Leu  
1                   5                   10                   15  
Lys Val Val Ser Tyr Ser Ile Leu Asn Phe Val His Xaa Gln Ser Leu  
          20                   25                   30  
Cys Ile Leu Thr Ile Lys Gly Gln Gly Cys Arg His Arg Tyr Ala Val  
          35                   40                   45  
Leu His Cys  
          50

<210> 7388

<211> 324

<212> PRT

<213> Homo sapiens

<400> 7388

Met Asp His Leu Glu Ser Phe Ile Ala Glu Cys Asp Arg Arg Thr Glu  
1                   5                   10                   15  
Leu Ala Lys Lys Arg Leu Ala Glu Thr Gln Glu Glu Ile Ser Ala Xaa  
          20                   25                   30  
Val Ser Ala Lys Ala Glu Lys Val His Glu Leu Asn Glu Glu Ile Gly  
          35                   40                   45  
Lys Leu Leu Ala Lys Ala Glu Gln Leu Gly Ala Glu Gly Asn Val Asp  
          50                   55                   60  
Glu Ser Gln Lys Ile Leu Met Glu Val Glu Lys Val Arg Ala Lys Lys  
65                   70                   75                   80  
Lys Glu Ala Glu Glu Tyr Arg Asn Ser Met Pro Ala Ser Ser Phe  
          85                   90                   95  
Gln Gln Gln Lys Leu Arg Val Cys Glu Val Cys Ser  
          100                   105

<210> 7389

<211> 174

<212> PRT

<213> Homo sapiens

<400> 7389

Met Glu Tyr His Ser Ser Leu Val Leu Ile Lys Ala Thr Ser Phe Leu  
1                   5                   10                   15  
Gly Ile Val Val Ser Val Lys Cys Met Arg Lys Ala Leu Ile Gly Val  
          20                   25                   30  
Leu Val Gly Val Leu Val Ser Xaa Gln Lys Thr Ala Glu Thr Leu Phe  
          35                   40                   45  
Asp Val Ile Cys Ala Asn Ala Leu Thr Ser  
          50                   55

<210> 7390

<211> 330

<212> PRT

<213> Homo sapiens

<400> 7390

Met Val Ser Lys Xaa Gly Cys Leu Thr Leu Gly Met Met Pro Thr Phe  
 1 5 10 15  
 Gln Ala Arg Asn Gly Leu Ala Gly Phe Ser Tyr Leu Leu Leu His Leu  
 20 25 30  
 Val Cys Phe Asn Thr Tyr Gln Ile Ser Phe Xaa Leu Ala Glu Tyr Thr  
 35 40 45  
 Ala Asp Val Xaa Gly Val Gly Thr Leu Arg Leu Leu Asp Ala Val Lys  
 50 55 60  
 Thr Cys Gly Leu Ile Xaa Ser Val Lys Phe Tyr Gln Ala Xaa Xaa Ser  
 65 70 75 80  
 Xaa Leu Tyr Gly Lys Val Gln Glu Ile Pro Gln Lys Glu Thr Xaa Pro  
 85 90 95  
 Phe Tyr Pro Gly His Leu Trp Gly Ser Lys Thr Leu Cys Leu  
 100 105 110

<210> 7391  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 7391  
 Met Ala Pro Glu His Leu Asn Asp Val Asn Ala Lys Pro Thr Glu Lys  
 1 5 10 15  
 Ser Asp Val Tyr Ser Xaa Ala Val Val Leu Trp Ala Ile Phe Ala Asn  
 20 25 30  
 Lys Glu Pro Tyr Glu Ser Lys Ala Leu Leu Thr Phe His Cys Arg Pro  
 35 40 45  
 Leu Ser Ile  
 50

<210> 7392  
 <211> 243  
 <212> PRT  
 <213> Homo sapiens

<400> 7392  
 Met Ile Tyr Phe Arg Gln Phe Ser Gln Leu Ser Pro Ala Glu Gln Asn  
 1 5 10 15  
 Val Ala Ala Ile Leu Gly Val Ser Glu Ser Phe Ile Gly Lys Lys Ala  
 20 25 30  
 Ser Gly Gln Ala Ile Gly Lys Leu Asn Ala Phe Lys Lys Val Ile Gln  
 35 40 45  
 Tyr Gln His Ala Glu Tyr Val Thr His Thr Ser Phe Asn Leu Ser Pro  
 50 55 60  
 Arg Trp Thr Arg Thr Leu Ser Thr Gly Tyr Ile Cys Leu Leu Phe Phe  
 65 70 75 80  
 Ile

<210> 7393  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 7393

Met Val Lys Gln Phe Ala Val Ser Ser Gly Ser Glu Lys Leu Phe Ser  
 1 5 10 15  
 Ser Lys Ser Asn Ala Gln Phe Lys Met Tyr Lys Thr Pro Ile Phe Leu  
 20 25 30  
 Asn Glu Val Leu Val Lys Leu Pro Thr Asp Pro Ser Ser Asp Glu Pro  
 35 40 45  
 Val Phe His Ile Ser His Ile Asp Arg Val Tyr Thr Leu Arg Thr  
 50 55 60

<210> 7394  
 <211> 282  
 <212> PRT  
 <213> Homo sapiens

<400> 7394  
 Met Ala Val Pro Thr Glu Leu Asp Gly Gly Ser Val Lys Glu Thr Ala  
 1 5 10 15  
 Ala Glu Glu Glu Ser Arg Val Leu Ala Pro Gly Ala Ala Pro Phe Gly  
 20 25 30  
 Asn Phe Pro His Tyr Ser Arg Phe His Pro Pro Glu Gln Arg Leu Arg  
 35 40 45  
 Leu Leu Pro Pro Glu Leu Leu Arg Gln Leu Phe Pro Glu Ser Pro Glu  
 50 55 60  
 Asn Gly Pro Ile Leu Gly Leu Asp Val Gly Cys Asn Ser Gly Asp Leu  
 65 70 75 80  
 Ser Val Ala Leu Tyr Lys His Phe Leu Ser Leu Pro Asp Gly  
 85 90

<210> 7395  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 7395  
 Met Leu Phe Ile Arg Leu Arg Phe Leu Leu Phe Ile Tyr Phe Asn Phe  
 1 5 10 15  
 Leu Phe Phe His Tyr Tyr Thr Leu Ser Phe Arg Val His Val His Asn  
 20 25 30  
 Val Gln Val Ser Asp Ile Cys Ile His Val Thr Cys Trp Cys Thr Ala  
 35 40 45  
 Pro Thr Asn Ser Ser Ser Ser Ile Arg Tyr Ile Ser Gln Cys Tyr Pro  
 50 55 60  
 Ser Pro Leu  
 65

<210> 7396  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 7396  
 Met Leu Leu Arg Thr Leu Pro Tyr Thr Lys Asn Met Lys Ile Phe Phe  
 1 5 10 15  
 His Ile Phe Phe His Lys Cys Leu Phe Thr Tyr Arg Leu Phe Ile Thr

20 25 30  
 Leu Ala Leu Ile Leu Trp Tyr Ser Asp Ile Glu Glu Ser Thr Phe Pro  
 35 40 45  
 Pro Leu Met Arg Tyr Cys Pro Asn Thr  
 50 55

<210> 7397  
 <211> 393  
 <212> PRT  
 <213> Homo sapiens

<400> 7397  
 Met Lys Val Ala Gly Ala Cys Pro Gly Gln Trp Val Pro Ala Glu Ala  
 1 5 10 15  
 Ala Xaa Xaa Thr Leu Arg Ala Ser Ala Val Phe Pro Ser Arg Asp Phe  
 20 25 30  
 Phe Cys Gly Cys Tyr Ser Ala Asp Cys Arg Tyr Leu Cys Phe Ala Asp  
 35 40 45  
 Ile Leu Phe Cys Phe Trp Phe Leu His Pro Ile Cys Phe Phe Leu Ser  
 50 55 60  
 Gln Lys Arg Phe Val Lys Gly Leu Arg Gln Tyr Gly Lys Asn Phe Phe  
 65 70 75 80  
 Xaa Xaa Arg Lys Glu Leu Leu Pro Asn Lys Glu Thr Gly Glu Leu Ile  
 85 90 95  
 Thr Phe Tyr Tyr Tyr Trp Lys Lys Thr Pro Glu Ala Ala Ser Ser Arg  
 100 105 110  
 Ala His Arg Arg His Arg Ser Arg Pro Cys Ser Gly Gly Leu Arg Leu  
 115 120 125  
 Ala Pro Arg  
 130

<210> 7398  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7398  
 Met Ser Ala Phe Glu Lys Pro Gln Ile Ile Ala His Ile Gln Lys Gly  
 1 5 10 15  
 Phe Asn Tyr Thr Val Phe Asp Cys Lys Trp Val Pro Cys Ser Ala Lys  
 20 25 30  
 Phe Val Thr Met Gly Asn Phe Ala Arg Gly Thr Gly Val Ile Gln Leu  
 35 40 45  
 Tyr Glu Ile Arg His  
 50

<210> 7399  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7399  
 Met Lys Gln Ile Leu Val Lys Met His Ser Lys His Ser Glu Asn Ser  
 1 5 10 15

Leu Leu Leu Thr Lys Thr Glu Pro Lys His Val Thr Glu Asn Gln Lys  
 20 25 30  
 Ser Lys Thr Leu Asn Val Pro Lys Glu His Glu Asp Asn Ile Phe Thr  
 35 40 45  
 Pro Lys Pro Thr Pro  
 50

<210> 7400  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 7400  
 Met Xaa Ser Ser Val Arg Arg Lys Gly Lys Pro Gly Lys Gly Gly Gly  
 1 5 10 15  
 Lys Gly Ser Ser Arg Gly Gly Arg Gly Gly Arg Ser His Ala Ser Lys  
 20 25 30  
 Ser His Gly Ser Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly  
 35 40 45  
 Gly Asn Arg Lys Ala Ser  
 50

<210> 7401  
 <211> 225  
 <212> PRT  
 <213> Homo sapiens

<400> 7401  
 Met Trp Ala Ala Glu Gln Asn Gln Val Leu Ser Leu Trp Gln Leu Gln  
 1 5 10 15  
 Phe Leu Phe Asn Lys His Ile Glu Asn Leu Ser Ser Xaa His Ile Lys  
 20 25 30  
 Pro Phe Xaa Leu Ile Thr Ser Leu Cys Gly Arg Tyr Cys Ser Ser Pro  
 35 40 45  
 Ile Phe Gly Arg Ala Gln Trp Leu Met Pro Val Val Pro Ala Leu Trp  
 50 55 60  
 Lys Ala Gly Xaa Val Asp His Leu Arg Leu Gly  
 65 70 75

<210> 7402  
 <211> 444  
 <212> PRT  
 <213> Homo sapiens

<400> 7402  
 Met Tyr Leu Pro Asp Val Asp Gln Lys Glu Ser Asp Gly Gly Ala Asp  
 1 5 10 15  
 Leu Thr Leu Gly Leu Arg Glu Ala Leu Glu Leu Ile Xaa Ser Tyr Ser  
 20 25 30  
 Arg Ser Glu Arg Ser His Tyr Tyr Asp Ser Asp Arg Arg Tyr His Arg  
 35 40 45  
 Ser Ser Pro Tyr Arg Glu Arg Thr Arg Tyr Ser Arg Pro Tyr Thr Asp  
 50 55 60  
 Asn Arg Ala Arg Glu Ser Ser Asp Ser Glu Glu Glu Tyr Lys Lys Thr



65                      70                      75                      80  
 Tyr Ser Arg Arg Thr Ser Ser His Ser Ser Tyr Arg Asp Leu Arg  
                                  85                      90                      95  
 Thr Ser Ser Tyr Ser Lys Ser Asp Arg Asp Cys Lys Thr Glu Thr Ser  
                                  100                      105                      110  
 Tyr Leu Glu Met Xaa Arg Arg Gly Lys Tyr Ser Ser Lys Leu Glu Arg  
                                  115                      120                      125  
 Glu Ser Lys Arg Thr Ser Glu Asn Glu Ala Ile Lys Arg Cys Cys Ser  
                                  130                      135                      140  
 Pro Pro Gly Gly  
 145

<210> 7403  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 7403  
 Met Ser Thr Ser Thr Phe Ile Ser Pro Ala Gln Leu Lys Glu Ser Cys  
 1                      5                      10                      15  
 Asn Thr Ala Thr Ser Ser Ala Trp Pro Ile Cys Ser Val Arg Thr Arg  
                                  20                      25                      30  
 Pro Gly Ala Arg Val Gly Gln Glu Ser Glu Pro Ala Val Asn Ser Leu  
                                  35                      40                      45  
 Pro Ile Gln Arg Asp Pro Ser Val Gln Gly Pro Val Phe His Ser Gln  
                                  50                      55                      60  
 Pro Ser Pro Glu Ser Cys Ala Gly Gln  
 65                      70

<210> 7404  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 7404  
 Met Ser Gln Arg Thr Arg Ser Leu Phe Met Asp Ala His Leu Thr Cys  
 1                      5                      10                      15  
 Glu Lys Pro Thr Pro Cys Leu Gln Met Lys Asp Cys Ile Ser Phe Ile  
                                  20                      25                      30  
 Leu Leu Pro Thr Gly Asp Ser Leu Pro Leu Thr Pro Phe Leu Leu Leu  
                                  35                      40                      45  
 Pro Ala Val Xaa Phe Tyr Phe Phe Ser  
                                  50                      55

<210> 7405  
 <211> 282  
 <212> PRT  
 <213> Homo sapiens

<400> 7405  
 Met Thr Ile Ser Val Gly Lys Thr Asn Ile Asn Ser Tyr Lys Thr Ile  
 1                      5                      10                      15  
 Leu Pro Ser Pro Ser Lys Ala Val Lys Arg Gly Val Asp Leu Val Ala  
                                  20                      25                      30

Glu Thr Gly Ser Ile Ile Ile Lys Val Glu Val His Arg Ala Ile Ile  
 35 40 45  
 Thr Glu Lys Ile Lys Thr His Val Thr Ser Ile Gln Tyr Cys Asn Leu  
 50 55 60  
 Lys Ile Asp Phe Phe His Asn Asn Tyr Ile Gln Ile Ile Tyr Leu Thr  
 65 70 75 80  
 His Lys Thr Lys Glu Lys Asn Asn Xaa Xaa Phe Ser Ser Gln  
 85 90

<210> 7406  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 7406  
 Met Val Ala Val Pro Ala Gly Ala Asp Pro Ser Thr Val Ala Lys Val  
 1 5 10 15  
 Ala Ile Glu Ser Ala Val Gln Gln Lys Gln Gln His Pro Pro Thr Tyr  
 20 25 30  
 Val Gln Asn Val Val Arg Arg Thr Leu Leu Cys His Leu His Gln Leu  
 35 40 45  
 Tyr Lys Cys Arg Ala Ser Leu Thr Gly Leu  
 50 55

<210> 7407  
 <211> 345  
 <212> PRT  
 <213> Homo sapiens

<400> 7407  
 Met Ala Pro Thr Ile Gln Thr Gln Ala Gln Arg Glu Asp Gly His Arg  
 1 5 10 15  
 Pro Asn Ser His Arg Thr Leu Pro Xaa Xaa Ser Gly Val Val Cys Arg  
 20 25 30  
 Val Lys Tyr Cys Asn Ser Leu Pro Asp Ile Pro Phe Asp Pro Lys Phe  
 35 40 45  
 Ile Thr Tyr Pro Phe Asp Gln Asn Arg Phe Val Gln Tyr Lys Ala Thr  
 50 55 60  
 Ser Leu Glu Lys Gln His Lys His Asp Leu Leu Thr Glu Pro Asp Leu  
 65 70 75 80  
 Gly Val Thr Ile Asp Leu Ile Asn Pro Asp Thr Tyr Arg Ile Asp Pro  
 85 90 95  
 Asn Val Leu Leu Asp Pro Ala Asp Glu Lys Leu Leu Glu Xaa Glu Ile  
 100 105 110  
 Gln Xaa Pro  
 115

<210> 7408  
 <211> 318  
 <212> PRT  
 <213> Homo sapiens

<400> 7408  
 Met Ile Thr Glu Ser Ser Leu Asp Val Ala Glu Glu Glu Ile Ile Asp



Lys Ala Gln Gln Lys Arg Val Phe Asp Thr Val Arg Ile Ala Asn Asp  
 20 25 30  
 Thr Arg Gly Arg Ser Ile Ser Phe Pro Ala Leu Leu Xaa Ile Pro Gly  
 35 40 45  
 Ser Asn Arg Ser Ser Val Ile Met Thr Ala Lys Pro Phe Glu Ser Gly  
 50 55 60  
 Leu Gln Gln Thr Glu Asp Lys Ser Leu Leu Asn Gln Gly Ser Ser Ser  
 65 70 75 80  
 Glu Glu Val Ala Gly Ser Ser Gln Lys Met Gly Gln Pro Gly Pro Ser  
 85 90 95  
 Gly Asp Ser Asp Leu Ala Thr Ala Leu His  
 100 105

<210> 7412  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 7412  
 Met Xaa Pro Asn Asp Tyr Glu Lys Val Val Lys Arg Gln Arg Glu Glu  
 1 5 10 15  
 Arg Gln Arg Gln Arg Glu Leu Xaa Arg Gln Lys Glu Ile Glu Glu Arg  
 20 25 30  
 Glu Lys Arg Arg Lys Asp Arg His Glu Ala Ser Xaa Phe Xaa Xaa Xaa  
 35 40 45  
 Pro Lys Ile Gln Ile Leu Met Xaa Met  
 50 55

<210> 7413  
 <211> 396  
 <212> PRT  
 <213> Homo sapiens

<400> 7413  
 Met Ser Ser Ser Arg Cys Leu Asp Pro Glu Cys Gly Gly Asn Ile Ser  
 1 5 10 15  
 Gly Glu Ala Leu Thr Pro Lys Ala Val Gln Ala Gln Cys Gly Gly Cys  
 20 25 30  
 Phe Ser Gly Glu Ser Ser Arg Leu Gly Gln Xaa Arg Gly Ser Val Leu  
 35 40 45  
 Leu Ala Gln Glu Leu Pro Gln Gln Leu Thr Ser Pro Gly Tyr Pro Glu  
 50 55 60  
 Pro Tyr Gly Lys Gly Gln Glu Ser Ser Thr Asp Ile Lys Ala Pro Glu  
 65 70 75 80  
 Gly Phe Ala Val Arg Leu Val Phe Gln Asp Phe Asp Leu Glu Pro Ser  
 85 90 95  
 Gln Asp Cys Ala Gly Asp Ser Xaa Thr Ile Ser Phe Val Gly Ser Asp  
 100 105 110  
 Pro Ser Gln Phe Cys Gly Gln Gln Gly Ser Pro Leu Gly Arg Pro Pro  
 115 120 125  
 Gly Gln Arg Glu  
 130

<210> 7414

<211> 204  
 <212> PRT  
 <213> Homo sapiens

<400> 7414  
 Met Glu Ser Thr Leu Gly Ala Gly Ile Val Ile Ala Glu Ala Leu Gln  
 1 5 10 15  
 Asn Gln Leu Ala Trp Leu Glu Asn Val Trp Leu Trp Xaa Xaa Leu Xaa  
 20 25 30  
 Xaa Xaa Ile Pro Xaa Ile Leu Phe Leu Phe Tyr Phe Pro Ala Ala Tyr  
 35 40 45  
 Tyr Ala Ser Arg Arg Val Gly Ile Ala Val Leu Trp Ile Ser Leu Ile  
 50 55 60  
 Thr Glu Trp Leu  
 65

<210> 7415  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7415  
 Met Ala Thr Gly Ala Asp Val Arg Asp Ile Leu Xaa Leu Xaa Gly Pro  
 1 5 10 15  
 Glu Gly Asp Ala Ala Ser Gly Thr Ile Ser Lys Lys Asp Ile Ile Asn  
 20 25 30  
 Pro Asp Lys Lys Lys Ser Lys Lys Ser Ser Glu Thr Leu Thr Phe Lys  
 35 40 45  
 Arg Pro Arg Ala Cys Thr Gly Lys Ser Met Xaa Cys Ser Thr  
 50 55 60

<210> 7416  
 <211> 360  
 <212> PRT  
 <213> Homo sapiens

<400> 7416  
 Met Ala Ala Ala Glu Val Ala Asp Thr Gln Leu Met Leu Gly Val Gly  
 1 5 10 15  
 Leu Ile Glu Lys Asp Thr Asn Gly Glu Val Leu Trp Val Trp Cys Tyr  
 20 25 30  
 Pro Ser Thr Thr Ala Thr Leu Arg Asn Leu Leu Leu Arg Lys Cys Cys  
 35 40 45  
 Leu Thr Asp Glu Asn Lys Leu Leu His Pro Phe Val Phe Gly Gln Tyr  
 50 55 60  
 Arg Arg Thr Trp Phe Tyr Ile Thr Thr Ile Glu Val Pro Asp Ser Ser  
 65 70 75 80  
 Ile Leu Lys Lys Val Thr His Phe Ser Ile Val Leu Thr Ala Lys Asp  
 85 90 95  
 Phe Xaa Pro Glu Lys Tyr Ala Ala Phe Thr Arg Ile Leu Cys Arg Met  
 100 105 110  
 Tyr Leu Lys His Gly Ser Pro Val  
 115 120

<210> 7417  
 <211> 366  
 <212> PRT  
 <213> Homo sapiens

<400> 7417

Met	Ala	Asn	Ser	Ala	Ser	Pro	Glu	Gln	Asn	Gln	Asn	His	Cys	Ser	Ala
1				5					10					15	
Ile	Asn	Asn	Ser	Ile	Pro	Leu	Met	Gln	Gly	Asn	Leu	Pro	Thr	Leu	Thr
			20					25					30		
Leu	Ser	Gly	Lys	Ile	Arg	Val	Thr	Val	Thr	Phe	Phe	Leu	Phe	Leu	Leu
		35					40					45			
Ser	Ala	Thr	Phe	Asn	Ala	Ser	Phe	Leu	Leu	Lys	Leu	Gln	Lys	Trp	Thr
	50					55					60				
Gln	Lys	Lys	Glu	Lys	Gly	Lys	Lys	Leu	Ser	Arg	Met	Lys	Leu	Leu	Leu
65					70					75				80	
Lys	His	Leu	Thr	Leu	Ala	Asn	Leu	Leu	Glu	Thr	Leu	Ile	Val	Met	Pro
				85					90					95	
Leu	Asp	Gly	Met	Trp	Asn	Ile	Xaa	Val	Gln	Trp	Tyr	Ala	Gly	Glu	Leu
			100					105					110		
Leu	Cys	Lys	Val	Leu	Ser	Tyr	Leu	Lys	Leu						
			115					120							

<210> 7418  
 <211> 384  
 <212> PRT  
 <213> Homo sapiens

<400> 7418

Met	Asp	Leu	Gly	Ala	Ile	Thr	Lys	Tyr	Ser	Ala	Leu	His	Ala	Lys	Pro
1				5					10					15	
Asn	Gly	Leu	Xaa	Leu	Gln	Tyr	Gly	Thr	Ala	Gly	Phe	Arg	Thr	Lys	Ala
			20					25					30		
Glu	His	Leu	Asp	His	Val	Met	Phe	Arg	Met	Gly	Leu	Leu	Ala	Val	Leu
		35					40					45			
Arg	Ser	Lys	Gln	Thr	Lys	Ser	Thr	Ile	Gly	Val	Met	Val	Thr	Ala	Ser
	50					55					60				
His	Asn	Pro	Glu	Glu	Asp	Asn	Gly	Val	Lys	Leu	Val	Asp	Pro	Leu	Gly
65					70					75				80	
Glu	Met	Leu	Ala	Pro	Ser	Trp	Glu	Glu	His	Ala	Thr	Cys	Leu	Ala	Asn
			85					90					95		
Ala	Glu	Glu	Gln	Asp	Met	Gln	Arg	Val	Leu	Ile	Asp	Ile	Ser	Glu	Lys
			100					105					110		
Glu	Ala	Val	Asn	Leu	Gln	Gln	Asp	Ala	Phe	Val	Val	Ile	Gly	Arg	Xaa
		115					120						125		

<210> 7419  
 <211> 306  
 <212> PRT  
 <213> Homo sapiens

<400> 7419

Met	Ser	Pro	Val	Ser	Pro	Ala	Val	Ser	Ser	Ser	Cys	Ala	Pro	Leu	Ala
1				5					10					15	

Ser Thr Pro Pro Trp Pro Leu Lys Thr Cys Ser Arg Gly Ser Leu Thr  
 20 25 30  
 Ser Pro Thr Leu Glu Pro Gly Ile Ser Xaa Ser Trp Leu Trp Thr Pro  
 35 40 45  
 Pro Gly Thr Ser Ser Ser Trp Glu Pro Gly Thr Thr Ser Ser Asp Ser  
 50 55 60  
 Ala Leu Pro Xaa Xaa Leu Phe Phe Arg Pro Gln Ser Gly Pro Xaa Val  
 65 70 75 80  
 Arg Thr Arg Ala Ala Pro Ala Lys Ala Xaa Gly Arg Leu Arg Xaa Ser  
 85 90 95  
 Val Arg Thr Thr Cys Glu  
 100

<210> 7420

<211> 180

<212> PRT

<213> Homo sapiens

<400> 7420

Met Leu Pro Val Ser Leu Leu Lys His Asn Arg Ser His Phe Tyr Ser  
 1 5 10 15  
 Ile Phe Pro Asn Lys Phe Leu Ile Ser Ile Arg Asp His Leu Ser Leu  
 20 25 30  
 Asp Phe Ile Val His Ile Ile Ile Ser Ile Leu Val Lys Ala Ile Gln  
 35 40 45  
 Gln Phe Ser Arg Lys Phe Gln Thr Phe Pro His Gln  
 50 55 60

<210> 7421

<211> 216

<212> PRT

<213> Homo sapiens

<400> 7421

Met Ser Val Trp Trp Ser Ser Gln Arg Lys Thr Pro Gly Ala Gly Glu  
 1 5 10 15  
 Leu Cys Met Asp Met Gln Ser Arg Ala Ala His Leu Leu Leu Thr  
 20 25 30  
 Xaa Pro Val Pro Val Arg Val Cys Thr His Pro Thr Glu Ser Cys Ser  
 35 40 45  
 Val Ala Gln Ala Gly Val Gln Trp His Asp Leu Gly Ser Leu Gln Pro  
 50 55 60  
 Leu Pro Pro Glu Phe Thr Pro Phe  
 65 70

<210> 7422

<211> 186

<212> PRT

<213> Homo sapiens

<400> 7422

Met Arg Arg Ile Trp Trp Pro Ile Trp Ser Leu Leu Asn Gly Asn Tyr  
 1 5 10 15  
 Ser Ala Ser Pro Ile Ser Phe Leu Arg Tyr Ser Asn Leu Ser Ile Ile

20 25 30  
 Ile Gly Pro Asn Ile Leu Asn Tyr Ser Leu Ile Ile Phe His Gln Ser  
 35 40 45  
 Phe Ile Phe His Leu Pro Thr Leu Lys Phe Leu Ser Pro Thr  
 50 55 60

<210> 7423  
 <211> 261  
 <212> PRT  
 <213> Homo sapiens

<400> 7423  
 Met Ile Glu Asp Lys Gly Pro Arg Val Ala Asp Tyr Phe Val Val Ala  
 1 5 10 15  
 Gly Leu Thr Asp Val Ser Lys Pro Leu Glu Glu Glu Ile His Phe Asn  
 20 25 30  
 Asp Ala Cys His Lys Val Ala Lys Pro Lys Glu Pro Ile Thr Asp Val  
 35 40 45  
 Ser Val Ile Ile Lys Ser Leu Gly Glu Glu Val Pro Gln Asp Tyr Ile  
 50 55 60  
 Cys Ile Asp Val Thr Pro Thr Gly Leu Ser Ala Asp Leu Asn Asn Gly  
 65 70 75 80  
 Val Leu Trp Gly Thr Asp Leu  
 85

<210> 7424  
 <211> 342  
 <212> PRT  
 <213> Homo sapiens

<400> 7424  
 Met Xaa Lys Asn His Arg Asn Lys Lys Ser Ile His Phe Pro Leu Cys  
 1 5 10 15  
 Thr Ile Pro Ser Xaa Met Xaa Lys Ser Cys Thr Leu Pro Leu Gln Arg  
 20 25 30  
 Thr Trp Asp Xaa Xaa Pro Ser Phe Val His Trp Xaa Gln Ala Arg Leu  
 35 40 45  
 Gln Ser Pro Pro Xaa Ser His Leu Val Xaa Leu Ser Val Ile Arg Ser  
 50 55 60  
 Thr Leu Val Leu Ser Gln Cys Leu Cys Ser Arg Xaa Pro Tyr Phe Ser  
 65 70 75 80  
 Ala Met Met Thr Pro Lys Cys Lys Ser Ile Xaa Ala Gly Asn Ser Gly  
 85 90 95  
 Met Pro Lys Arg Asn Cys Lys Val Leu Pro Ser Ser Glu Lys Met Xaa  
 100 105 110  
 Val His

<210> 7425  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 7425  
 Met Glu Gly Gln Arg Leu Met Gly Ala Asp Val Lys Gln Ala Arg Gly



1 5 10 15  
 Pro Val Gly Trp Cys Arg Gln Leu Ala Gln Gln Ser Ser Gly Xaa Xaa  
 20 25 30  
 Phe Arg Gly Val Leu Tyr Gln Val Phe His Asp Thr Ile Cys Glu Lys  
 35 40 45  
 Glu Ala Pro Lys Ser Ser Leu Leu Arg Lys Gln Thr Gln Pro Pro Lys  
 50 55 60  
 Lys Gln Ser Ser Pro  
 65

<210> 7426  
 <211> 405  
 <212> PRT  
 <213> Homo sapiens

<400> 7426  
 Met Ala Gly Ala Gly Ser Ala Ala Val Ser Gly Ala Gly Thr Pro Val  
 1 5 10 15  
 Ala Gly Pro Thr Gly Arg Asp Leu Phe Ala Glu Gly Leu Leu Glu Phe  
 20 25 30  
 Leu Arg Pro Ala Val Gln Gln Leu Asp Ser His Val His Ala Val Arg  
 35 40 45  
 Glu Ser Gln Val Glu Leu Arg Glu Gln Ile Asp Asn Leu Ala Thr Glu  
 50 55 60  
 Leu Cys Arg Ile Asn Glu Asp Gln Lys Val Ala Leu Asp Leu Asp Pro  
 65 70 75 80  
 Tyr Val Lys Lys Leu Asn Ala Arg Arg Arg Val Val Leu Val Asn  
 85 90 95  
 Asn Ile Leu Gln Asn Ala Gln Glu Arg Leu Arg Arg Leu Asn His Ser  
 100 105 110  
 Val Ala Lys Glu Thr Ala Arg Arg Ala Met Leu Asp Ser Gly Ile  
 115 120 125  
 Tyr Pro Leu Ala Pro Arg Tyr  
 130 135

<210> 7427  
 <211> 300  
 <212> PRT  
 <213> Homo sapiens

<400> 7427  
 Met Asn Gly Asp Leu Glu Glu Glu Gly Gly Arg Glu Ala Thr Asp Ala  
 1 5 10 15  
 Pro Glu Gln Val Glu Glu Ile Leu Asp His Ser Glu Gln Gln Ala Arg  
 20 25 30  
 Pro Ala Arg Val Asn Gly Gly Thr Asp Glu Glu Asn Gly Glu Glu Xaa  
 35 40 45  
 Gln Gln Val Asn Asn Glu Arg Gln Leu Val Leu Asp Lys Glu Arg Lys  
 50 55 60  
 Ser Gln Gly Ala Gly Ser Gly Gln Asp Glu Ala Asp Val Asp Pro Gln  
 65 70 75 80  
 Arg Pro Pro Arg Pro Glu Val Lys Ile Thr Ser Pro Glu Glu Asn Glu  
 85 90 95  
 Asn Asn Gln Gln

100

<210> 7428  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 7428  
 Met Ala Ser Trp Gly Gly Glu Lys Arg Gly Gly Ala Glu Gly Ser Pro  
 1 5 10 15  
 Lys Leu Ala Val Tyr Ala Thr Arg Lys Thr Arg Ser Val Arg Ser Gln  
 20 25 30  
 Glu Asp Gln Trp Tyr Leu Gly Tyr Arg Gly Thr Ser Gly Pro Arg Ala  
 35 40 45  
 Ser Pro Thr Ala Gly Gly Lys Ile Ala Ser Ala Ala Arg Gln Ala Arg  
 50 55 60  
 Arg  
 65

<210> 7429  
 <211> 300  
 <212> PRT  
 <213> Homo sapiens

<400> 7429  
 Met Leu Lys Arg Ala Gln Xaa Met Lys Xaa Lys Lys Leu Lys Lys Lys  
 1 5 10 15  
 Ile Asp Ser Thr Val Arg Leu Ala Leu Phe Lys Asn Asn Glu Asn Lys  
 20 25 30  
 Val Ser Leu Pro Lys Ser Pro Lys Met Val Gln Pro Arg Arg Asp Gly  
 35 40 45  
 Tyr Phe Glu Gly Ile Glu Glu Asp Pro Ile His Lys Asp Thr Thr Ala  
 50 55 60  
 Asn Glu Lys Leu Glu Arg Asn Arg Glu Tyr Thr Tyr Gln Trp Leu His  
 65 70 75 80  
 Thr Gln Val Gly Val His Glu Thr Ala Ser Ser Arg Asn Met Lys Cys  
 85 90 95  
 Asn His Phe Leu  
 100

<210> 7430  
 <211> 204  
 <212> PRT  
 <213> Homo sapiens

<400> 7430  
 Met Thr Arg Lys Asp Trp Xaa Cys Ala Asp Leu Gly Val Arg Val Ser  
 1 5 10 15  
 Gly Arg Gly His Ser Lys Cys Arg Gly Pro Glu Ala Gly Thr Ser Leu  
 20 25 30  
 Gly Gln Asn Leu Ala Gly Gln Gln Gln Glu Pro Gly Arg Val Glu Thr  
 35 40 45  
 Ser Ala Leu Arg Leu Gly Trp Asn Ile Gln Val Leu Xaa Xaa Met Gln  
 50 55 60

Trp Asp Thr Asp  
65

<210> 7431  
<211> 174  
<212> PRT  
<213> Homo sapiens

<400> 7431  
Met His Phe Ser Phe Thr Ser Phe Phe Trp Asn Ala Leu Phe Ala Glu  
1 5 10 15  
Ser Tyr Gly Phe Met Arg Asn Thr His Ala Gly Thr His Thr Gln Arg  
20 25 30  
Ala Asp Lys Arg His Pro Xaa Ser Ile Arg Ser Ser Asn Ser Ile Lys  
35 40 45  
Asn Ile Ile Lys Lys Ser Thr Pro Ser His  
50 55

<210> 7432  
<211> 195  
<212> PRT  
<213> Homo sapiens

<400> 7432  
Met Lys Ile Pro Val Trp His Lys Thr Cys Phe Leu Lys Ser Glu Ser  
1 5 10 15  
Phe Ser Pro Asp Asn Leu Ser Val Ser Leu Pro Cys Arg Pro Ser Gln  
20 25 30  
Val Pro Ser Gln Gly Gln Gly Lys Ser Phe Leu Leu Leu Gln Leu Ile  
35 40 45  
His Glu Asp Lys Ala Ile Gln Asn Glu Ala Ile Phe Gln Pro Ser Leu  
50 55 60  
Gln  
65

<210> 7433  
<211> 417  
<212> PRT  
<213> Homo sapiens

<400> 7433  
Met Ala Lys Ser Leu Leu Lys Thr Ala Ser Leu Ser Gly Arg Thr Lys  
1 5 10 15  
Leu Leu His Gln Thr Gly Leu Ser Leu Tyr Ser Thr Ser His Gly Phe  
20 25 30  
Tyr Glu Glu Glu Val Lys Lys Thr Leu Gln Gln Phe Pro Gly Gly Ser  
35 40 45  
Ile Asp Leu Gln Lys Glu Asp Asn Gly Ile Gly Ile Leu Thr Leu Asn  
50 55 60  
Asn Pro Ser Arg Met Asn Ala Phe Ser Gly Val Met Met Leu Gln Leu  
65 70 75 80  
Leu Glu Lys Val Ile Glu Leu Glu Asn Trp Thr Glu Gly Lys Gly Leu  
85 90 95  
Ile Val Arg Gly Ala Lys Asn Thr Phe Ser Ser Gly Ser Asp Leu Asn

100 105 110  
Ala Val Lys Ser Leu Gly Leu Gln Arg Leu Pro Leu Ile Ser Val Ala  
115 120 125  
Leu Val Gln Gly Trp Ala Leu Gly Gly Gly Ala  
130 135

<210> 7434  
<211> 174  
<212> PRT  
<213> Homo sapiens

<400> 7434  
Met Pro Ile Ser Ser Gly Gly Ser Val Cys Arg Val Arg Val Ala Cys  
1 5 10 15  
Cys Phe Ala Asn Met Val Phe Asn Xaa His Asn Pro Lys Ser Phe Leu  
20 25 30  
Cys Cys Pro His Phe Lys Asn Lys Glu Val Arg Tyr Gly Glu Leu Ala  
35 40 45  
Leu Gly Leu Asn His Ile Ser His Thr Ala  
50 55

<210> 7435  
<211> 249  
<212> PRT  
<213> Homo sapiens

<400> 7435  
Met Gln Ala Val Cys Ala Gly Thr Arg Ala Pro Ala Thr Asp Glu Val  
1 5 10 15  
Ala Gly Val His Arg Ser Leu Leu Arg Ser Ser Arg Gly Phe Gln Gly  
20 25 30  
Arg Leu Thr Arg Phe Leu Gly Arg Arg Phe Met Thr Ala Glu Phe Leu  
35 40 45  
Leu Glu Asp Pro Ser Ser Gly Ser Leu Ile Pro Gln Glu Ser Ser Trp  
50 55 60  
Lys Thr Arg Ala Cys Glu Gly Ser Ala Xaa Leu Leu Ala Ser Gln Thr  
65 70 75 80  
Ala Ser Arg

<210> 7436  
<211> 201  
<212> PRT  
<213> Homo sapiens

<400> 7436  
Met Leu Leu His Phe Leu Gln Gly Asn Arg Gly Lys Pro Ala Ser Gly  
1 5 10 15  
Cys Leu Gly Cys Val Ser Thr His His Ile Glu Ala Val Leu Gln Leu  
20 25 30  
Cys Gln Pro Trp Pro Lys Gln Ala Val Phe Glu Pro Pro Trp Thr Thr  
35 40 45  
Pro Glu Gly Gln His Gln Thr Pro Gly Ile Leu Ser Asp Thr Ile Leu  
50 55 60  
Gly Val Ser

65

<210> 7437  
<211> 186  
<212> PRT  
<213> Homo sapiens

<400> 7437  
Met Arg Leu Gly Ala Val Ala His Ala Cys Asn Pro Ser Thr Leu Gly  
1 5 10 15  
Gly Gln Asp Gly Arg Ile Thr Ser Gln Glu Phe Lys Thr Ser Leu Thr  
20 25 30  
Asn Met Arg Lys Pro Leu Ser Leu Leu Glu Met Gln Arg Ile Gly Trp  
35 40 45  
Ala Trp Trp Trp Ala Pro Val Ile Pro Ala Thr Arg Lys Ala  
50 55 60

<210> 7438  
<211> 162  
<212> PRT  
<213> Homo sapiens

<400> 7438  
Met Ala Ser Val Lys Val Ala Val Arg Val Arg Pro Met Asn Arg Arg  
1 5 10 15  
Glu Lys Xaa Leu Glu Ala Lys Phe Ile Ile Gln Met Glu Lys Ser Lys  
20 25 30  
Thr Thr Ile Xaa Asn Leu Lys Ile Pro Glu Gly Gly Thr Gly Asp Ser  
35 40 45  
Gly Arg Glu Arg Xaa Xaa  
50

<210> 7439  
<211> 153  
<212> PRT  
<213> Homo sapiens

<400> 7439  
Met Ser Leu Xaa Ile Glu Ser Ala Leu Ala His Thr Thr Arg Lys Lys  
1 5 10 15  
Asn Thr Trp Pro Val Ala Ser Glu Pro His Ile Pro Gly Asp Ser Arg  
20 25 30  
Phe Ser Leu Arg Lys Pro Phe Arg Met Met Gly Ile His His Gln Leu  
35 40 45  
Arg Val Ala  
50

<210> 7440  
<211> 174  
<212> PRT  
<213> Homo sapiens

<400> 7440  
Met Glu Ser Lys Pro Ser Arg Ile Pro Arg Arg Ile Ser Val Gln Pro

1                    5                    10                    15  
 Ser Ser Ser Leu Ser Ala Arg Met Met Ser Gly Ser Arg Gly Ser Ser  
                   20                    25                    30  
 Leu Asn Asp Thr Tyr His Ser Arg Asp Ser Ser Phe Arg Leu Asp Ser  
                   35                    40                    45  
 Glu Tyr Gln Ser Thr Ser Ala Ser Ala Thr  
                   50                    55

<210> 7441  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7441  
 Met Ala Val Glu Ser Gly Val Ile Ser Thr Leu Ile Pro Gln Asp Pro  
 1                    5                    10                    15  
 Pro Glu Gln Glu Leu Ile Leu Val Lys Val Glu Asp Asn Phe Ser Trp  
                   20                    25                    30  
 Asp Glu Lys Phe Lys Gln Asn Gly Ser Thr Gln Ser Cys Gln Glu Leu  
                   35                    40                    45  
 Phe Arg Gln Gln Phe Arg Lys Phe Cys Tyr Gln Glu Thr Pro  
                   50                    55                    60

<210> 7442  
 <211> 360  
 <212> PRT  
 <213> Homo sapiens

<400> 7442  
 Met Ala Thr His Cys Pro Leu Tyr Cys Val Gly Ala Asp Leu Met Met  
 1                    5                    10                    15  
 Asn Arg Xaa Gly Glu His Val Trp Ser Glu Ser Glu Asp Cys Leu Pro  
                   20                    25                    30  
 Phe Leu Gln Leu Ala Xaa Ile Xaa Ser Pro Xaa Ala Ala Arg Xaa Arg  
                   35                    40                    45  
 Ser Thr Lys Ser Trp Lys Lys Ser Ser Ser Leu Ser Asp Leu Tyr Trp  
                   50                    55                    60  
 Gly Phe Arg Met Gln Met Thr Met Arg Leu Lys Ser Thr Val Leu Thr  
 65                    70                    75                    80  
 Trp Lys Lys Arg Ser Gln Arg Arg Xaa Thr Pro Arg Trp Gly Xaa Xaa  
                   85                    90                    95  
 Ala Val Xaa Leu Gly Ala Pro Leu Arg Arg Xaa Val Xaa Pro His Ser  
                   100                    105                    110  
 Asn Leu Xaa Gly Val Thr Ala Pro  
                   115                    120

<210> 7443  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 7443  
 Met Ile Ser Ser Trp Glu Gln Lys Asn Asn Cys Val Met Pro Glu Asp  
 1                    5                    10                    15

Val Lys Asn Phe Tyr Leu Met Thr Asn Gly Phe His Met Thr Trp Ser  
 20 25 30  
 Val Lys Leu Asp Glu Xaa Ile Ile Pro Leu Gly Ser Met Ala Ile Asn  
 35 40 45  
 Ser Ile Ser Lys Leu Xaa Gln Leu Thr Gln Ser Ser Met Tyr Ser Leu  
 50 55 60  
 Pro  
 65

<210> 7444  
 <211> 270  
 <212> PRT  
 <213> Homo sapiens

<400> 7444  
 Met Glu Pro Asp Ser Val Ile Glu Asp Lys Thr Ile Glu Leu Met Ile  
 1 5 10 15  
 Ser Asn Gly Thr Ser Ser Val Ile Val Ser Arg Lys Arg Pro Ser Glu  
 20 25 30  
 Gly Asn Tyr Gln Lys Xaa Xaa Asp Leu Cys Ile Lys Xaa Phe Ser Thr  
 35 40 45  
 Leu Arg Gly Gln Gly Ser Arg Ala Leu Ala Arg Ser Gln Trp His Ala  
 50 55 60  
 Leu Glu Leu Pro Ser Leu Gln Asn Tyr Glu Leu Lys Phe Ser Thr Leu  
 65 70 75 80  
 Ala Ile Leu Thr Gly Ser Gly Thr His Arg  
 85 90

<210> 7445  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 7445  
 Met Ser Lys Pro Gly Ser Pro Gly Ser Val Ile Pro Ala Gln Ala His  
 1 5 10 15  
 Gly Lys Ile Phe Thr Lys Pro Asp Pro Gln Trp Asp Ser Thr Val Ser  
 20 25 30  
 Ala Ser Glu Ala Glu Asn Gly Val His Leu Lys Thr Glu Leu Gln Gln  
 35 40 45  
 Lys Gln Leu Ser Asn Asn Asn Gln Ala Leu Ser Lys Asn His Pro Pro  
 50 55 60  
 Gln  
 65

<210> 7446  
 <211> 327  
 <212> PRT  
 <213> Homo sapiens

<400> 7446  
 Met Ala Cys Gly Glu Ile Ser Gly Glu His Arg Glu Glu Glu Arg Arg  
 1 5 10 15  
 Thr Glu Thr Arg Pro Gly Ala Pro Ala Gly Pro Leu Gln Thr Glu Ala

20                      25                      30  
 Gly Ser Gly Glu Xaa Glu Gly Gln Val Ala Asp Glu Gly Trp Ser Leu  
                     35                      40                      45  
 Ser Pro Leu Val Ser Ala Glu Ser Arg Gly His Val Pro Pro Gly Arg  
                     50                      55                      60  
 Ala Pro Ala Cys Ser Arg Gly Ala Pro Trp Gln Gly Gly His Trp Lys  
 65                      70                      75                      80  
 Leu Asn Ala Glu Glu Ala Ser Gly Ser Gly Ala Leu Gly Leu Ser Pro  
                     85                      90                      95  
 Pro Val Leu Gly Trp Ser Phe Ala Met Leu Arg Arg Leu  
                     100                      105

<210> 7447  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 7447  
 Met Gly Pro Pro Pro His Met Ala Ala Ala Leu Ser Ala Ser Ser Glu  
 1                      5                      10                      15  
 His Ser Ser Ala Pro Ala Val Trp Asn Ser Xaa Cys Cys Asn Ser Pro  
                     20                      25                      30  
 Ser Arg Ser Pro Asn Cys Gln Ser Pro Cys Phe Pro Leu Ser Pro Asn  
                     35                      40                      45  
 Ser Pro Leu Arg Pro Pro Ala Leu Ala Gln Ser Phe Leu Thr His Ser  
                     50                      55                      60  
 Ser Ala Ala  
 65

<210> 7448  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 7448  
 Met Ser Arg Phe Arg Gly Cys Ser Ser Ser Gly Val Arg Phe Xaa Ser  
 1                      5                      10                      15  
 Ala Arg Glu Gly Gly Leu Gly Leu Arg Ala Gly Glu Cys Val Ala Val  
                     20                      25                      30  
 Cys Pro Xaa Ala Pro Ser Pro Ala Lys Pro Pro Val Pro Arg Trp Gly  
                     35                      40                      45  
 Ala Thr Leu Thr Gly Thr  
                     50

<210> 7449  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens

<400> 7449  
 Met Leu Gln Ile Arg Asn Phe Leu Ser Thr Asp Met Met Leu Lys Gly  
 1                      5                      10                      15  
 Asn Xaa His Trp Ser Ile Leu Gly Xaa Xaa Xaa Ser Val Asp Leu Arg  
                     20                      25                      30



Cys Ser Thr Ser Lys Tyr Xaa Arg Ala Ile Pro Lys Ile Arg Lys Asn  
 35 40 45  
 Ser Glu Ile Arg Ser Thr Ser Gly Xaa Arg His Phe Gly Glu Gly Met  
 50 55 60  
 Leu Asn  
 65

<210> 7450  
 <211> 204  
 <212> PRT  
 <213> Homo sapiens

<400> 7450  
 Met Cys Gln Tyr Ile Asn Tyr Ile Leu Ile Thr Phe Ile Glu Val Arg  
 1 5 10 15  
 Tyr Ile Trp Gln Ile Ile Ser Glu Arg Glu Leu His Ser Pro Ile Phe  
 20 25 30  
 Xaa Phe Val Met Ile Tyr Cys Arg Val His Leu Xaa Asp Leu Pro Gln  
 35 40 45  
 Leu Lys Thr His Phe Gln Glu Asn Ile His His Thr Arg Lys Lys Glu  
 50 55 60  
 Arg Gly Arg Lys  
 65

<210> 7451  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 7451  
 Met Gly Ser Pro Ala Ala Pro Glu Xaa Xaa Leu Gly Tyr Val Arg Glu  
 1 5 10 15  
 Phe Thr Arg Xaa Xaa Leu Arg Arg Ala Xaa Gln Pro Gln Thr Ser Xaa  
 20 25 30  
 Ala Cys Xaa Gly Ser Ser Leu Xaa Ser Arg Cys Xaa Xaa Gly Gly Gln  
 35 40 45  
 Pro Leu Arg  
 50

<210> 7452  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 7452  
 Met Val Leu Gly Asn Trp Leu Ala Ile Cys Arg Lys Leu Lys Leu Asp  
 1 5 10 15  
 Pro Phe Leu Thr Pro Tyr Xaa Lys Ile Asn Ser Arg Trp Ile Lys Asp  
 20 25 30  
 Leu Asn Val Arg Pro Lys Thr Ile Lys Xaa Leu Glu Glu Asn Leu Gly  
 35 40 45  
 Ile Thr Ile Gln Asp Ile Gly Met Gly Lys Asp  
 50 55

<210> 7453  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 7453  
 Met Cys Arg Lys Gln His Ile Val Gln Phe Gly Phe Gly Gln Gly Xaa  
 1 5 10 15  
 Ser Arg Ser Gln Gly Trp Lys Gly Glu Leu Lys Met Xaa Cys Gly Pro  
 20 25 30  
 Gly Val Val Ala Arg Ala Xaa Xaa Cys Gln His Phe Gly Arg Gln Arg  
 35 40 45  
 Arg Pro Ile  
 50

<210> 7454  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 7454  
 Met Met Phe Met Gly Phe Ile Arg Leu Gly Val Trp Tyr Asn Phe Phe  
 1 5 10 15  
 Arg Ala Trp Asn Gly Gly Phe Ser Gly Asn Leu Glu Gly Glu Gly Phe  
 20 25 30  
 Ile Leu Gly Gly Val Phe Xaa Val Gly Ser Gly Lys Gln Gly Ile Leu  
 35 40 45  
 Leu Glu His Arg Glu Lys Glu Phe Gly Asp Lys Val Asn  
 50 55 60

<210> 7455  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 7455  
 Met Leu Asp Gln Arg Ile Ile Trp Arg Gly Arg Lys Cys Arg Ala Ser  
 1 5 10 15  
 Ser Cys Lys Ala Ser His Ser Cys Trp Ser Xaa Xaa Met Phe Ile Arg  
 20 25 30  
 Glu Lys Gln Pro Val Leu Pro Gly Gln Pro Phe Glu Arg Ala Glu Pro  
 35 40 45  
 Thr Leu Phe Leu Asp Ser Val Ser Phe His Ala Ile Arg Pro Ser  
 50 55 60

<210> 7456  
 <211> 291  
 <212> PRT  
 <213> Homo sapiens

<400> 7456  
 Met Ile Leu Leu Ser Asp Lys Ile Gln Ser Ser Lys Arg Glu Val Gln  
 1 5 10 15  
 Cys Asn Phe Thr Glu Lys Asn Tyr Thr Leu Ile Pro Ala Asp Ile Lys

20 25 30  
 Lys Asp Val Thr Ile Leu Asp Leu Ser Tyr Asn Gln Ile Thr Leu Asn  
 35 40 45  
 Gly Thr Asp Thr Arg Val Leu Gln Thr Tyr Phe Leu Leu Xaa Glu Leu  
 50 55 60  
 Tyr Leu Ile Glu Asn Lys Val Thr Ile Leu His Asn Asn Gly Phe Gly  
 65 70 75 80  
 Asn Leu Ser Ser Leu Glu Ile Leu Asn Ile Cys Arg Asn Ser Ile Tyr  
 85 90 95  
 Val

<210> 7457  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 7457  
 Met Asp Pro Phe Glu Lys His Leu Lys Val Met Cys His Leu Pro Ser  
 1 5 10 15  
 Lys Ala His Lys Arg Asn Phe Met Tyr Ser Phe Arg Val Val Arg Asn  
 20 25 30  
 Pro Cys Asn Leu Phe Met Asp His Arg Leu Ile Ile Pro Ala Met Gly  
 35 40 45  
 Thr Glu Asp Thr Lys Ile Glu Lys Ser Ser Ile Leu Gly Met Tyr Asn  
 50 55 60  
 Lys  
 65

<210> 7458  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 7458  
 Met Gln Gln Leu Glu Arg Gln Val Ile Asp Ala Glu Arg Gln Ala Glu  
 1 5 10 15  
 Lys Ala Phe Gln Gln Val Gln Val Met Glu Asp Lys Leu Lys Ala Ala  
 20 25 30  
 Asn Ile Gln Thr Ser Glu Ser Glu Thr Arg Leu Tyr Asn Lys Cys Gln  
 35 40 45  
 Asp Leu Glu Ser Leu Ile Gln Glu Lys Asp  
 50 55

<210> 7459  
 <211> 393  
 <212> PRT  
 <213> Homo sapiens

<400> 7459  
 Met His Leu Gln Arg Asp Gly Glu Glu Pro Phe Pro Ala Phe Lys Ser  
 1 5 10 15  
 Trp Gln Glu Asp Ser Glu Ser Gly Glu Ala Gln Leu Ser Pro Gln Ala  
 20 25 30  
 Gly Arg Met Asn His His Pro Leu Glu Glu Asp Cys Pro Pro Val Leu

35 40 45  
 Ser His Arg Ser Leu Asp Phe Gly Gln Ser Gln Arg Phe Leu His Asp  
 50 55 60  
 Pro Glu Lys Leu Asp Ser Ser Lys Ala Leu Ser Phe Thr Arg Ile  
 65 70 75 80  
 Arg Arg Ser Ser Phe Ser Ser Lys Asp Glu Lys Arg Glu Asp Arg Thr  
 85 90 95  
 Pro Tyr Gln Leu Val Lys Lys Leu Gln Lys Lys Ile Arg Gln Phe Glu  
 100 105 110  
 Glu Gln Phe Glu Arg Glu Arg Asn Ser Lys Xaa Ser Tyr Ser Asp Ile  
 115 120 125  
 Ala Ala Lys  
 130

<210> 7460

<211> 216

<212> PRT

<213> Homo sapiens

<400> 7460

Met Leu Glu Arg Leu Lys Ala Pro Trp Ser Ala Ala Leu Gln Arg Lys  
 1 5 10 15  
 Tyr Phe Asp Leu Gly Ile Trp Thr Ala Pro Ile Ser Pro Met Ala Leu  
 20 25 30  
 Thr Met Leu Asn Gly Leu Leu Ile Lys Asp Ser Ser Pro Pro Met Leu  
 35 40 45  
 Leu His Gln Val Asn Lys Thr Ala Gln Leu Asp Thr Phe Asn Tyr Gln  
 50 55 60  
 Ser Cys Phe Met Gln Ser Val Phe  
 65 70

<210> 7461

<211> 171

<212> PRT

<213> Homo sapiens

<400> 7461

Met Ile Glu Arg Asn Thr Ile Arg Asn Asp Lys Gly Asn Val Thr Thr  
 1 5 10 15  
 Asp Pro Thr Glu Ile Glu Thr Ala Ile Arg Asn Tyr Cys Lys His Phe  
 20 25 30  
 Tyr Ala Tyr Lys Leu Glu Asn Phe Lys Glu Met Asp Lys Phe Met Glu  
 35 40 45  
 Lys Tyr Thr Leu Pro Gln Leu Ser His  
 50 55

<210> 7462

<211> 354

<212> PRT

<213> Homo sapiens

<400> 7462

Met Leu Leu Gln Val Val Arg Glu Gly Lys Phe Ser Gly Phe Leu Asp  
 1 5 10 15

Pro Pro Ala Ala Ser Ser Cys Leu Gly Leu Pro Arg Ser Trp Arg Leu  
 20 25 30  
 Arg Leu Ala Tyr Leu Arg Ala Val Pro Ser Trp Asp Leu Leu Pro  
 35 40 45  
 Ser Pro Thr Ser Glu Arg Leu Thr Arg Ser Val Glu Ser Trp Gly Lys  
 50 55 60  
 His Ser Leu Pro Cys Ile Leu Ala Pro Pro Phe Ser Leu Gln Ile Xaa  
 65 70 75 80  
 Leu Ser Arg Gln Glu Cys Gln Gly Ile Ile Gly Gly Xaa Asp Ser Ser  
 85 90 95  
 Leu Ala Ile Pro Leu Pro Ser Tyr Asn Thr Asp Pro Gln Ser Ser Pro  
 100 105 110  
 Ala Thr Leu Pro Thr Leu  
 115

<210> 7463  
 <211> 390  
 <212> PRT  
 <213> Homo sapiens

<400> 7463  
 Met Gly Val Pro Ala Phe Phe Arg Trp Leu Ser Arg Lys Tyr Pro Ser  
 1 5 10 15  
 Ile Ile Val Asn Cys Val Glu Glu Lys Pro Xaa Glu Cys Asn Gly Val  
 20 25 30  
 Lys Ile Pro Val Asp Ala Ser Lys Pro Asn Pro Asn Asp Val Glu Phe  
 35 40 45  
 Asp Asn Leu Tyr Leu Asp Met Asn Gly Ile Ile His Pro Cys Thr His  
 50 55 60  
 Pro Glu Asp Lys Pro Ala Pro Lys Asn Glu Asp Glu Met Met Val Ala  
 65 70 75 80  
 Ile Phe Glu Tyr Ile Asp Arg Leu Phe Ser Ile Val Arg Pro Arg Arg  
 85 90 95  
 Leu Leu Tyr Met Ala Ile Asp Gly Val Ala Pro Arg Ala Lys Met Asn  
 100 105 110  
 Gln Gln Arg Ser Arg Arg Phe Lys Gly Ile Lys Arg Arg His Gly Ser  
 115 120 125  
 Ser Ser  
 130

<210> 7464  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 7464  
 Met Ile Ser Phe Pro Met Val Val Phe Leu Tyr Pro Phe Leu Lys Trp  
 1 5 10 15  
 Trp Arg Asp Pro Cys Arg Arg Glu Leu Pro Thr Phe His Trp Phe Leu  
 20 25 30  
 Leu Glu Leu Ala Ile Phe Thr Leu Ile Glu Glu Gly Pro Xaa Ser Thr  
 35 40 45  
 Ile Xaa Thr Gly Ser Phe Thr Arg  
 50 55

<210> 7465  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7465  
 Met Leu Leu Leu Phe Arg Pro Lys Ser Pro Leu Tyr Arg Glu Ala Pro  
 1 5 10 15  
 Cys Ser Ala Ser Leu Thr Arg Ala Leu Ser Xaa Met Leu Gly Ala Xaa  
 20 25 30  
 Gly Lys Leu Leu Asp Ser Met Ser Arg Thr Pro Leu Xaa Pro Xaa Gln  
 35 40 45  
 Val Lys Gly Arg Ala  
 50

<210> 7466  
 <211> 231  
 <212> PRT  
 <213> Homo sapiens

<400> 7466  
 Met Ala Leu Ser Gly Gly Leu Arg Cys Cys Arg Arg Val Leu Ser Trp  
 1 5 10 15  
 Val Pro Val Leu Val Ile Val Leu Val Val Leu Trp Ser Tyr Tyr Ala  
 20 25 30  
 Tyr Val Phe Glu Leu Cys Leu Val Thr Val Leu Ser Pro Ala Glu Lys  
 35 40 45  
 Val Ile Tyr Leu Ile Leu Tyr His Ala Ile Phe Val Phe Phe Thr Trp  
 50 55 60  
 Thr Tyr Trp Lys Ser Ile Phe Thr Leu Pro Gln Gln Pro  
 65 70 75

<210> 7467  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 7467  
 Met Tyr Leu Gln Glu Ile Arg Lys Gln Thr Phe Gln Met Arg Val Met  
 1 5 10 15  
 Ile Ser Leu Lys Lys Xaa Ser Phe Phe Leu Ser Asn Asn Val Leu Tyr  
 20 25 30  
 Phe Thr Lys Ser Ser Ile Leu Ser Met Ser Arg Asp Lys Gln Leu Leu  
 35 40 45  
 Glu Gly Thr Gln Phe Ile Leu Pro Gly Phe Ser Leu Leu Leu Asn His  
 50 55 60  
 Lys Asn Asp Ser Pro Gln  
 65 70

<210> 7468  
 <211> 243  
 <212> PRT  
 <213> Homo sapiens

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<400> 7471

Met Asn Val Thr Leu Gln Pro Thr Asp Thr Gly Ser Ala Trp Ala Lys  
 1 5 10 15  
 Gln Gln Arg Lys Lys Asp Cys Gly Arg Gly Ser Gly Met Leu Arg Cys  
 20 25 30  
 Arg Pro Glu Phe Lys Ala Leu Gly Leu Ala Ser Gln Glu Ala Ser Ser  
 35 40 45  
 Thr Gly Leu Asp Thr Arg  
 50

<210> 7472

<211> 159

<212> PRT

<213> Homo sapiens

<400> 7472

Met His Ser Gln Glu Gly Gly His Leu Val Gly Val Lys Lys Thr Lys  
 1 5 10 15  
 Val Cys Thr Xaa Pro Ser Ser Gly His Ala Ala Ser Gly Lys Asp Ser  
 20 25 30  
 Ser Ser Arg Leu Ala Val Thr Asp Pro Thr Arg Pro Gly Ala Thr Thr  
 35 40 45  
 Lys Ile Thr Lys Pro  
 50

<210> 7473

<211> 249

<212> PRT

<213> Homo sapiens

<400> 7473

Met Ala Xaa Thr Asp Leu Phe Met Glu Cys Xaa Xaa Glu Glu Leu Glu  
 1 5 10 15  
 Pro Trp Gln Xaa Ile Ser Asp Val Ile Xaa Asp Ser Val Val Glu Asp  
 20 25 30  
 Tyr Asn Ser Xaa Asp Lys Thr Thr Val Ser Val Xaa Gln Gln Pro  
 35 40 45  
 Val Ser Ala Pro Val Pro Ile Ala Ala His Ala Ser Val Ala Gly His  
 50 55 60  
 Leu Ser Thr Ser Thr Thr Val Ser Ser Ser Gly Ala Gln Asn Ser Asp  
 65 70 75 80  
 Ser Thr Lys

<210> 7474

<211> 171

<212> PRT

<213> Homo sapiens

<400> 7474

Met Met Leu Lys Ala Ala Asn Gly Ile Leu Met Glu Leu Arg Thr Pro  
 1 5 10 15  
 Met Ser Asn Ser Ser Leu Leu His Ser Phe Phe Phe Thr Tyr Lys Lys  
 20 25 30  
 Gly Leu Asn Gly Gly Leu Phe Cys Asn Gln Glu His Phe Leu Gly Val  
 35 40 45



Lys Val Leu Ile Ile Asn Ser Thr Arg  
50 55

<210> 7475  
<211> 378  
<212> PRT  
<213> Homo sapiens

<400> 7475  
Met Gly Thr Lys Met Ala Asp Leu Asp Ser Pro Pro Lys Leu Ser Gly  
1 5 10 15  
Val Gln Gln Pro Ser Glu Gly Val Gly Gly Arg Cys Ser Glu Ile  
20 25 30  
Ser Ala Glu Leu Ile Arg Ser Leu Thr Glu Leu Gln Glu Leu Glu Ala  
35 40 45  
Val Tyr Glu Arg Leu Cys Gly Glu Glu Lys Val Val Glu Arg Glu Leu  
50 55 60  
Asp Ala Leu Leu Glu Gln Gln Asn Thr Ile Glu Ser Lys Met Val Thr  
65 70 75 80  
Leu Xaa Arg Met Gly Pro Asn Leu Gln Leu Xaa Glu Gly Asp Ala Lys  
85 90 95  
Gln Leu Ala Gly Met Ile Thr Phe Thr Cys Asn Leu Ala Glu Asn Val  
100 105 110  
Ser Ser Lys Val Arg Gln Leu Asp Leu Ala Lys Lys His Ser  
115 120 125

<210> 7476  
<211> 168  
<212> PRT  
<213> Homo sapiens

<400> 7476  
Met Pro His Lys Lys Glu Asn Tyr Lys Ala Gly Leu Val Gly Ser Phe  
1 5 10 15  
Ser His Leu Leu Cys Asp Asp Tyr Ala Gly Ser Thr Lys Val Lys Leu  
20 25 30  
Ser Leu Thr Thr Ser Arg Ser Val Ile Ser Ser Val Ile Lys Leu Ala  
35 40 45  
Leu Ser Phe Arg Leu Gly Gly Arg  
50 55

<210> 7477  
<211> 165  
<212> PRT  
<213> Homo sapiens

<400> 7477  
Met Ala Ile Arg Asn His Thr Glu Leu Phe Glu Ile Lys Ile Trp Arg  
1 5 10 15  
Asn Gly Phe Lys Ser Arg Ser Glu Lys Ala Glu Glu Thr Ile Ser Glu  
20 25 30  
Leu Glu Asn Ile Ser Glu Glu Ile Leu Gln Asn Ala Thr Glu Arg Glu  
35 40 45  
Asn Lys Met Glu His Thr Ser

50

55

&lt;210&gt; 7478

&lt;211&gt; 168

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7478

Met	Lys	Arg	Gln	Arg	His	Pro	Arg	Leu	Arg	Pro	Gln	Ser	Ala	Gln	Ser
1			5					10						15	
Ser	Phe	Pro	Xaa	Ser	Pro	Gly	Pro	Ser	Pro	Asp	Val	Gln	Leu	Ala	Thr
		20					25					30			
Leu	Ala	Gln	Arg	Val	Lys	Glu	Val	Leu	Xaa	Xaa	Cys	Ala	Ile	Gly	Cys
		35				40					45				
His	Pro	Glu	Arg	Pro	Gly	Gln	Asp								
	50					55									

&lt;210&gt; 7479

&lt;211&gt; 225

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7479

Met	Thr	Ile	Leu	Asn	Lys	Asp	Val	Leu	Tyr	Leu	Asp	Asn	Gly	His	Pro
1			5					10					15		
Glu	Tyr	Thr	Asp	Leu	Ile	Ala	Thr	His	Cys	Ile	Cys	Val	Lys	Lys	Phe
		20					25					30			
Ser	Cys	Thr	Thr	Tyr	Thr	Phe	Thr	Lys	Ser	Thr	Gly	Phe	Pro	Leu	Pro
		35				40					45				
Phe	Pro	Arg	Thr	Asp	Ile	Tyr	Met	Asn	Tyr	Lys	Val	Gly	Pro	Ser	Ala
	50				55						60				
Phe	Leu	Trp	Ser	Leu	Lys	Thr	His	Arg	His	Ile					
65				70					75						

&lt;210&gt; 7480

&lt;211&gt; 171

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7480

Met	Val	Lys	Arg	His	Leu	Leu	Gly	Arg	Glu	Asp	Asn	Leu	Ser	Leu	Asp
1			5					10					15		
Ile	Thr	Lys	Leu	Lys	Arg	Gln	Ile	Phe	Glu	Ala	Ser	Gln	Ala	His	Leu
		20					25					30			
Ser	Ile	Val	Pro	Gly	Ala	Glu	Ala	Leu	Asp	Gln	Val	Ala	Glu	Asn	Leu
		35				40					45				
Ser	Gly	Leu	Asn	Pro	Arg	Thr	Trp	Ile							
	50					55									

&lt;210&gt; 7481

&lt;211&gt; 171

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

<400> 7481

Met Lys Asn Ile Ser Pro Leu Phe Glu Ala Phe Val Lys Gln Arg Tyr  
1 5 10 15  
Glu Gln Ile Gly Asn Ala Asn Gln Arg Gly Cys Ser Arg Glu Cys Ala  
20 25 30  
Leu Phe Cys Gly Asn Pro Gln Asn Ala Trp Ala Tyr Lys Pro Asn Leu  
35 40 45  
Asn Ser His Arg Arg Asn Pro Ala Gly  
50 55

<210> 7482

<211> 153

<212> PRT

<213> Homo sapiens

<400> 7482

Met Xaa Xaa Ser Gly Xaa Pro Pro Xaa Leu Pro Xaa Xaa Arg His Gln  
1 5 10 15  
Glu Glu Asn Ser Lys Lys Arg Phe Ser Arg Asp Arg Glu Ala Thr Cys  
20 25 30  
Pro Gly Asn Pro Leu Lys Pro Ala Gly Asn Met Phe Ala Pro Ser Ser  
35 40 45  
Pro Thr Pro  
50

<210> 7483

<211> 186

<212> PRT

<213> Homo sapiens

<400> 7483

Met Leu Arg Glu Tyr Thr Thr Ala Lys Phe Asn Ser Leu Pro Ser Met  
1 5 10 15  
Lys Ile Ile Lys Asn Cys Phe Ser Asn Ser Ile Ile His Gln Asn Cys  
20 25 30  
Ser Phe Phe Phe Leu Gly Thr Tyr Gly Phe Leu Phe Pro Ser Leu Gln  
35 40 45  
Asn Leu Met Leu Glu Asn Cys Ile Ser Tyr Thr Arg Trp Leu  
50 55 60

<210> 7484

<211> 240

<212> PRT

<213> Homo sapiens

<400> 7484

Met His Pro Phe Leu Ala Ala His Gly Pro Ala Phe His Lys Gly Tyr  
1 5 10 15  
Lys His Ser Thr Ile Asn Ile Val Asp Ile Tyr Pro Met Met Cys His  
20 25 30  
Ile Leu Gly Leu Lys Pro His Pro Asn Asn Gly Thr Phe Gly His Thr  
35 40 45  
Lys Cys Leu Leu Val Asp Gln Trp Cys Ile Asn Leu Pro Glu Ala Ile  
50 55 60

Ala Ile Val Ile Gly Ser Leu Leu Val Leu Thr Met Leu Thr Cys Arg  
65 70 75 80

<210> 7485  
<211> 225  
<212> PRT  
<213> Homo sapiens

<400> 7485  
Met Val Ala Pro Gly Tyr Val Val Thr Val Leu Thr Trp Xaa Gly Thr  
1 5 10 15  
Asn Pro Thr Leu Ser Ser Ile Leu Leu Asn Ser His Thr Asp Val Val  
20 25 30  
Pro Val Phe Lys Glu His Trp Ser His Asp Pro Phe Glu Ala Phe Lys  
35 40 45  
Asp Ser Glu Gly Tyr Ile Tyr Ala Arg Gly Ala Gln Asp Met Lys Cys  
50 55 60  
Val Ser Ile Gln Tyr Leu Glu Ala Val Arg Arg  
65 70 75

<210> 7486  
<211> 303  
<212> PRT  
<213> Homo sapiens

<400> 7486  
Met Asp Leu Pro Gly Val Ser Ile Ala Asp Glu Gly Glu Thr Gly Met  
1 5 10 15  
Phe Ser Leu Cys Thr Ile Arg Gly His Gln Leu Leu Glu Val Thr  
20 25 30  
Gln Gly Asp Met Ser Ala Ala Asp Thr Phe Leu Ser Asp Leu Pro Arg  
35 40 45  
Asp Asp Ile Tyr Val Ser Asp Val Glu Asp Asp Gly Asp Asp Thr Ser  
50 55 60  
Leu Asp Ser Asp Leu Asp Pro Glu Glu Leu Ala Gly Val Arg Gly His  
65 70 75 80  
Gln Gly Leu Arg Asp Gln Lys Arg Met Arg Leu Thr Glu Val Gln Asp  
85 90 95  
Asp Lys Glu Asp Gly  
100

<210> 7487  
<211> 297  
<212> PRT  
<213> Homo sapiens

<400> 7487  
Met Asp Asp Leu Met Leu Phe Phe Leu Gly Ala Leu Cys Arg Glu Ser  
1 5 10 15  
Gly Val Pro Ser Leu Gly Lys Gln Glu Arg Met Arg Ala Tyr Ala Ala  
20 25 30  
Glu Met Pro Pro Leu Leu Pro Ser Pro Cys Pro Pro Pro Ser His Leu  
35 40 45  
Pro Lys Pro Ala Ser Pro Cys Pro Tyr Pro Leu Xaa Leu Leu Thr Phe

50                      55                      60  
 Pro Val Gly Val Pro His Leu Pro Gly Thr Arg Leu Gln Cys Gln Gly  
 65                      70                      75                      80  
 Leu Gly His Ser Leu Xaa Arg Ala Glu Arg Gly Val Gly Gly Gly Val  
                     85                      90                      95  
 Ser Pro Gly

<210> 7488  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 7488  
 Met Lys Thr Gly Glu Leu Glu Lys Glu Thr Ala Pro Leu Arg Lys Asp  
 1                      5                      10                      15  
 Ala Asp Ser Ser Ile Ser Val Leu Glu Ile His Ser Gln Lys Ala Gln  
                     20                      25                      30  
 Ile Glu Glu Pro Asp Pro Pro Glu Met Glu Thr Ser Leu Asp Ser Ser  
                     35                      40                      45  
 Glu Met Ala Lys Asp Leu Ser Ser Lys Thr Ala Leu Ser Ser Thr Glu  
                     50                      55                      60  
 Ser Cys Thr Met Lys Gly Glu Glu Lys Ser Pro Lys Thr Lys Lys Asp  
 65                      70                      75                      80  
 Lys Arg

<210> 7489  
 <211> 351  
 <212> PRT  
 <213> Homo sapiens

<400> 7489  
 Met Thr Val Arg Tyr Gly Lys Phe Leu Ser Leu Leu Lys Asp Gly Ala  
 1                      5                      10                      15  
 Glu Asn Asp Leu Thr Trp Val Leu Lys His Cys Glu Arg Phe Leu Lys  
                     20                      25                      30  
 Gln Gln Gln Thr Ser Ile Lys Ser Ser Leu Leu Cys Leu Gln Gly Asn  
                     35                      40                      45  
 Tyr Ala Gly His Asp Trp Phe Val Ser Ser Leu Phe Met Ile Met Leu  
                     50                      55                      60  
 Gly Asp Lys Glu Lys Thr Phe Gln Phe Leu His Gln Phe Ser Arg Leu  
 65                      70                      75                      80  
 Leu Thr Ser Ala Phe Leu Trp Leu Pro Arg Leu His Ile Ser Val Arg  
                     85                      90                      95  
 Leu Gln Ser Val Phe Lys Gly Gly Phe Xaa Ile Leu Arg Thr Leu Tyr  
                     100                      105                      110  
 Leu His Ser Xaa Gly  
                     115

<210> 7490  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7490

Met Thr Glu Glu Pro Ile Lys Glu Ile Leu Gly Ala Pro Lys Ala His  
 1 5 10 15  
 Met Ala Ala Thr Met Glu Lys Ser Pro Lys Ser Glu Val Val Ile Thr  
 20 25 30  
 Thr Val Pro Leu Val Ser Glu Ile Gln Leu Met Ala Ala Thr Gly Gly  
 35 40 45  
 Thr Ser Ser Pro  
 50

<210> 7491  
 <211> 285  
 <212> PRT  
 <213> Homo sapiens

<400> 7491  
 Met Glu Lys Gly Leu Ala Ser Leu Lys Ser Glu Met Arg Glu Val Glu  
 1 5 10 15  
 Gly Glu Leu Glu Arg Lys Glu Leu Glu Phe Asp Thr Asn Met Asp Ala  
 20 25 30  
 Val Gln Met Val Ile Thr Glu Ala Gln Lys Val Asp Thr Arg Ala Lys  
 35 40 45  
 Asn Ala Gly Val Thr Ile Gln Asp Thr Leu Asn Thr Leu Asp Gly Leu  
 50 55 60  
 Leu His Leu Met Gly Ala Xaa Xaa Gly Glu Ala Pro Thr Asp Pro Ala  
 65 70 75 80  
 Leu Asp Gly Pro Ala Gly Thr Thr Gln Ile Asn Lys Leu Ala Tyr  
 85 90 95

<210> 7492  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 7492  
 Met Leu Phe Phe Cys Phe Phe Lys Phe Leu Tyr Phe Phe Glu Thr Glu  
 1 5 10 15  
 Ser Ala Leu Leu Pro Arg Leu Glu Cys Ser Gly Ala Ile Leu Ala His  
 20 25 30  
 Cys Ser Leu His Leu Pro Gly Ser Ser Asp Ser Pro Ala Ser Ala Thr  
 35 40 45  
 Arg Ile Ala Gly Ile Thr Gly Val Cys His His Thr Gln Leu Asn Phe  
 50 55 60  
 Phe Cys Ile Phe Ser Arg Xaa Gly Val  
 65 70

<210> 7493  
 <211> 276  
 <212> PRT  
 <213> Homo sapiens

<400> 7493  
 Met Ile Ser Ile Thr Glu Trp Gln Lys Ile Gly Val Gly Ile Thr Gly  
 1 5 10 15  
 Phe Gly Ile Phe Phe Ile Leu Phe Gly Thr Leu Leu Tyr Phe Asp Ser

		20						25					30				
Val	Leu	Leu	Ala	Phe	Gly	Asn	Leu	Leu	Phe	Leu	Thr	Gly	Leu	Ser	Leu		
		35					40					45					
Ile	Ile	Gly	Leu	Arg	Lys	Thr	Phe	Trp	Phe	Phe	Phe	Gln	Arg	His	Lys		
	50					55					60						
Leu	Lys	Gly	Thr	Ser	Phe	Leu	Leu	Gly	Gly	Val	Val	Ile	Val	Leu	Leu		
65					70					75					80		
Arg	Trp	Pro	Leu	Leu	Gly	Met	Phe	Leu	Glu	Leu	Arg						
			85						90								

<210> 7494  
 <211> 297  
 <212> PRT  
 <213> Homo sapiens

Met	Glu	Ala	Glu	Glu	Ser	Glu	Lys	Ala	Ala	Thr	Glu	Gln	Glu	Pro	Leu		
1			5					10						15			
Glu	Gly	Thr	Glu	Gln	Thr	Leu	Asp	Ala	Glu	Glu	Glu	Gln	Glu	Glu	Ser		
		20						25					30				
Glu	Glu	Ala	Ala	Cys	Gly	Ser	Lys	Lys	Arg	Val	Val	Pro	Gly	Ile	Val		
	35						40					45					
Tyr	Leu	Gly	His	Ile	Pro	Pro	Arg	Phe	Arg	Pro	Leu	His	Val	Arg	Asn		
	50					55					60						
Leu	Leu	Ser	Ala	Tyr	Gly	Glu	Val	Gly	Arg	Val	Phe	Phe	Gln	Ala	Glu		
65					70					75					80		
Asp	Arg	Phe	Val	Arg	Arg	Lys	Lys	Lys	Ala	Ala	Ala	Ala	Ala	Gly	Gly		
				85					90					95			
Lys	Lys	Arg															

<210> 7495  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

Met	Ala	Val	Ser	Asn	Pro	Ala	Ser	Ser	Leu	Asn	Pro	Gly	Thr	Arg	Pro		
1			5						10					15			
Asn	Pro	Arg	Lys	Ser	Thr	Asn	Pro	Arg	Met	Asn	Pro	Asn	Pro	Gly	Ile		
		20						25					30				
Ser	Pro	Asp	Leu	Lys	Met	Thr	Ser	Pro	Lys	Met	Thr	Pro	Asn	Ser			
	35						40				45						
Lys	Thr	Ser	Leu	Asn	Arg	Ala	Val	Thr	Pro	Lys	Ser	His	Asn	Asp			
	50					55					60						

<210> 7496  
 <211> 270  
 <212> PRT  
 <213> Homo sapiens

Met	Phe	Val	Leu	Trp	Ala	Phe	Glu	Asp	Gly	Trp	Leu	Ile	Val	Leu	Asn		
1			5						10					15			
Phe	Ala	Asn	Phe	His	Ile	Phe	Ile	Phe	Ile	Phe	Val	Arg	Gln	Ser	Leu		

20 25 30  
 Ala Val Leu Pro Arg Leu Glu Cys Ser Gly Val Ile Ser Val His Cys  
 35 40 45  
 Asn Leu Leu Leu Leu Gly Ser Ser Glu Phe Gln Leu Glu Ala Ala Ser  
 50 55 60  
 Ala Ser Arg Val Ala Ser Ile Thr Gly Met Ser His His Thr Arg Leu  
 65 70 75 80  
 Ile Phe Val Phe Leu Val Glu Thr Gly Pro  
 85 90

<210> 7497  
 <211> 261  
 <212> PRT  
 <213> Homo sapiens

<400> 7497  
 Met Gly Glu His Glu Gln Val Lys Pro Leu Glu Thr Ser Ser Ser Lys  
 1 5 10 15  
 Val Lys Ala Lys Thr Ile Val Met Ile Pro Asp Ser Gln Lys Leu Leu  
 20 25 30  
 Arg Cys Glu Leu Glu Ser Leu Lys Ser Gln Leu Gln Ala Gln Thr Lys  
 35 40 45  
 Ala Phe Glu Phe Leu Asn His Ser Val Thr Met Leu Glu Lys Glu Ser  
 50 55 60  
 Cys Leu Gln Gln Ile Lys Ile Gln Gln Leu Glu Glu Val Leu Ser Pro  
 65 70 75 80  
 Arg Gly Arg Gln Gly Glu Lys  
 85

<210> 7498  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 7498  
 Met Ser Leu Val Glu Ala Ile Ser Leu Trp Asn Glu Gly Val Leu Ala  
 1 5 10 15  
 Ala Asp Lys Lys Asp Trp Lys Gly Ala Leu Asp Ala Phe Ser Ala Val  
 20 25 30  
 Gln Asp Pro His Ser Arg Ile Cys Phe Asn Ile Gly Cys Met Tyr Thr  
 35 40 45  
 Ile Leu Lys Asn Met Thr Xaa Ala Glu Lys Ala Phe Thr Arg Ser Ile  
 50 55 60  
 Asn Arg Asp Lys His Leu Ala  
 65 70

<210> 7499  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 7499  
 Met Lys Val Phe Val Cys Cys Ala Ser Thr Ser His Ser Gly Glu Lys  
 1 5 10 15



Pro Val Pro Thr Leu Pro Gln Phe Thr Met Gly Pro Asn Val Lys Ile  
 20 25 30  
 Asn Val Leu Glu Asp Phe Glu Gly Glu Asn Pro Gln Val Pro Lys Leu  
 35 40 45  
 Glu Lys Ser Ile Ser Gly Asp Gln Pro Arg  
 50 55

<210> 7500  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 7500  
 Met Phe Leu Cys Lys Glu Val Lys Trp Ser Asn Leu Trp Ala Val Lys  
 1 5 10 15  
 Ile Asn Leu Leu Thr Ile Ala Tyr Thr Ile Lys Leu Asp Trp Gly Ile  
 20 25 30  
 Tyr Tyr Tyr Ile Ser Met Lys Tyr Lys Leu Asn Arg Ser Arg Val Arg  
 35 40 45  
 Asn Ser Ala  
 50

<210> 7501  
 <211> 333  
 <212> PRT  
 <213> Homo sapiens

<400> 7501  
 Met Leu Ile Arg Ala Asn Gly Thr His His Lys Ile Leu Pro Met Phe  
 1 5 10 15  
 Pro Leu Tyr Arg Glu Pro Thr Lys Pro Gly Leu Glu Pro Ser Val Cys  
 20 25 30  
 Gln Ala Pro Leu Ser Ala Phe Ser Ala Pro Ser His Arg Gly Val Thr  
 35 40 45  
 Gln Val His Thr Ala Arg His Val Pro Ala Leu Pro Phe Met Ala Pro  
 50 55 60  
 Asn Pro Gln Ala Pro Gln Ser Phe Pro Glu Thr Ala Glu Thr Pro Ser  
 65 70 75 80  
 Cys Val Pro Ser Pro Val Arg Pro Cys His Ala Pro Ala Gln Thr Pro  
 85 90 95  
 Ser Val Ala Pro Thr Tyr Ser Ser Asn Leu Asp Trp Glu Arg Thr  
 100 105 110

<210> 7502  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 7502  
 Met Gly Leu Glu Met Ala Ser Asn Thr Leu Pro Pro Gln Ile Met Leu  
 1 5 10 15  
 Leu Gln Ile Ser Ser Trp Met Val Ser Pro Asp Asp Phe Tyr Pro Gly  
 20 25 30  
 Ala Glu Leu Leu Ala Thr Gly His Thr Leu Ser Thr Thr Arg Leu Val

35 40 45  
 Ser Ser Met Thr Asp Ile Leu His Ser Leu Pro Pro Thr Pro Ile  
 50 55 60

<210> 7503  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 7503  
 Met Tyr Leu Lys Ser Phe Lys Glu Arg Ile Ala Ser Cys Phe Phe Ser  
 1 5 10 15  
 Arg Gln Pro Leu His Pro Ala Pro Arg Ser Pro Ser Arg Pro Pro Ile  
 20 25 30  
 Ser Glu Gln Thr Ser Leu Gln Asn Phe Leu Trp Asp Ser Ser Leu Pro  
 35 40 45  
 Thr Ala Asn Ser Leu Phe Thr Ser Phe Leu Trp Phe Lys Pro Thr Ala  
 50 55 60  
 His  
 65

<210> 7504  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 7504  
 Met Tyr Val Gly Gly Ser Met Tyr Val Ser Ser Thr Ala Ala Cys Trp  
 1 5 10 15  
 Thr Leu Arg Thr Gly Lys Asp Gln Ser Lys Pro Cys Leu Leu Ser Ser  
 20 25 30  
 Gly Asn Gln Asn Met Phe Gly Val Val Gly Ala Thr Gln Thr Leu Leu  
 35 40 45  
 Ser Pro Leu Thr His Phe Leu Pro Pro  
 50 55

<210> 7505  
 <211> 258  
 <212> PRT  
 <213> Homo sapiens

<400> 7505  
 Met Gln Asp Ala His Val Ile Leu Asn Asp Ile Thr Glu Glu Cys Arg  
 1 5 10 15  
 Pro Pro Ser Ser Leu Ile Thr Arg Val Ser Tyr Phe Ala Val Phe Asp  
 20 25 30  
 Gly His Gly Gly Ile Arg Ala Ser Lys Phe Ala Ala Gln Asn Leu His  
 35 40 45  
 Gln Asn Leu Ile Arg Lys Xaa Xaa Lys Gly Asp Val Ile Ser Val Glu  
 50 55 60  
 Xaa Thr Val Lys Arg Cys Leu Leu Asp Thr Phe Lys His Thr Asp Glu  
 65 70 75 80  
 Glu Ser Leu Asn Lys Leu  
 85

<210> 7506  
 <211> 297  
 <212> PRT  
 <213> Homo sapiens

<400> 7506  
 Met Glu Ser Phe Ser Asn Thr Glu Arg Ser Leu Phe Leu Arg Phe Val  
 1 5 10 15  
 Trp Gly Arg Thr Arg Leu Pro Arg Thr Ile Ala Asp Phe Arg Gly Arg  
 20 25 30  
 Asp Phe Val Ile Gln Val Leu Asp Lys Tyr Asn Pro Pro Asp His Phe  
 35 40 45  
 Leu Pro Glu Ser Tyr Thr Cys Phe Phe Leu Leu Lys Leu Pro Arg Tyr  
 50 55 60  
 Ser Cys Lys Gln Val Leu Glu Glu Lys Leu Lys Tyr Ala Ile His Phe  
 65 70 75 80  
 Cys Lys Ser Ile Asp Thr Asp Asp Tyr Ala Arg Ile Ala Leu Thr Gly  
 85 90 95  
 Glu Gln Pro

<210> 7507  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 7507  
 Met Lys Cys Ile Ser Leu Tyr Leu Glu Asp Glu Ala Gln Thr Pro Thr  
 1 5 10 15  
 Pro Leu Ser Pro Pro Gly Leu Gly Met Ser Pro Ala Ala Arg Pro Arg  
 20 25 30  
 Ser Phe Pro Gly Gly Leu Gly Glu Val Gly Ala Gly Thr Ile Ser Val  
 35 40 45  
 Pro Ser Thr Leu Thr Pro Ser Thr Ser Glu Thr Thr Leu Ser Pro Thr  
 50 55 60

<210> 7508  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 7508  
 Met Pro Glu Ile Arg Lys Leu Phe Ser Arg Ala Gly Asn Pro Ser Phe  
 1 5 10 15  
 Val Cys Ser Val Thr Val Val Ala Pro Ser Ser Val Ile Gly Lys Asp  
 20 25 30  
 Gly Gly Tyr Thr Pro Ala Phe Arg Thr Gln Gly Pro Gln Tyr Cys Cys  
 35 40 45  
 Gln Leu Pro  
 50

<210> 7509  
 <211> 360  
 <212> PRT

<213> Homo sapiens

<400> 7509

Met Arg Lys Asp Pro Ser Gly Ala Gly Leu Trp Leu His Ser Gly Gly  
1 5 10 15  
Pro Val Leu Pro Tyr Val Arg Glu Ser Val Arg Arg Asn Pro Ala Ser  
20 25 30  
Ala Ala Thr Pro Ser Thr Ala Val Gly Leu Phe Pro Ala Pro Thr Glu  
35 40 45  
Cys Phe Ala Arg Val Ser Cys Ser Gly Val Glu Ala Leu Gly Arg Arg  
50 55 60  
Asp Trp Leu Gly Gly Gly Pro Arg Ala His Xaa Xaa Ala Thr Glu Xaa  
65 70 75 80  
Ser Ala Pro Lys Glu Ser Leu Gly Cys His Asp Cys His Ala Ile Lys  
85 90 95  
Lys Cys Arg Lys Trp Glu Val Phe Arg Met Thr His Gln Val Leu Phe  
100 105 110  
Pro Arg Val Trp Ala Leu Ser Trp  
115 120

<210> 7510

<211> 159

<212> PRT

<213> Homo sapiens

<400> 7510

Met Gly Pro Lys Ala Pro Val Thr Gly Tyr Val Arg Phe Leu Asn Glu  
1 5 10 15  
Arg Arg Xaa Gln Ile Arg Thr Arg His Pro Asp Leu Pro Phe Pro Glu  
20 25 30  
Ile Thr Lys Met Leu Gly Ala Glu Trp Ser Lys Leu Gln Pro Thr Glu  
35 40 45  
Lys Gln Arg Tyr Gln  
50

<210> 7511

<211> 177

<212> PRT

<213> Homo sapiens

<400> 7511

Met Gly Phe Pro Gly Pro Lys Gly Xaa Asp Val Ser Ser Phe Xaa Xaa  
1 5 10 15  
Phe Xaa Xaa Lys Tyr Leu Thr Gly Arg Leu Leu Phe Ser Ile Trp Ser  
20 25 30  
Lys Glu Met Val Lys Thr Gln Ser Pro Leu Gln Ser Met Glu Glu Tyr  
35 40 45  
Met Xaa Ile Lys Leu His Val Gly Arg Glu Leu  
50 55

<210> 7512

<211> 279

<212> PRT

<213> Homo sapiens

<400> 7512

Met Asn Xaa Tyr Ala Ser Pro Phe Asn Xaa Gln Leu Xaa Tyr Leu Xaa  
1 5 10 15  
Leu Ser Arg Phe Glu Cys Val His Arg Asp Gly Arg Val Ile Thr Leu  
20 25 30  
Ser Tyr Gln Glu Gln Glu Leu Gln Asp Phe Leu Leu Ser Gln Met Ser  
35 40 45  
Gln His Gln Val His Ala Val Gln Gln Leu Ala Lys Val Met Gly Trp  
50 55 60  
Gln Val Leu Ser Phe Ser Asn His Val Gly Leu Gly Pro Ile Glu Ser  
65 70 75 80  
Xaa Gly Asn Ala Ser Ala Ile Thr Val Ala Pro Gln Val  
85 90

<210> 7513

<211> 264

<212> PRT

<213> Homo sapiens

<400> 7513

Met Ser Leu Ala Val Phe Leu Pro Ser Val Phe Trp Asn Ser Leu Ser  
1 5 10 15  
Arg Ile Trp Val Leu Val Leu Phe Lys Cys Leu Val Glu Phe Ser Ser  
20 25 30  
Lys Ala Met Gly Ser Trp Thr Phe Ser Leu Leu Gly Val Leu Val Cys  
35 40 45  
Phe His Thr Ala Asp Lys Asp Ile Pro Gln Thr Glu Thr Gly Gln Phe  
50 55 60  
Thr Lys Glu Arg Gly Leu Ile Gly Leu Asn Ser Ser Thr Trp Leu Gly  
65 70 75 80  
Lys Leu Thr Ile Met Val Glu Gly  
85

<210> 7514

<211> 180

<212> PRT

<213> Homo sapiens

<400> 7514

Met Glu Ser Arg Asp His Asn Asn Pro Gln Glu Gly Pro Thr Ser Ser  
1 5 10 15  
Ser Gly Arg Arg Ala Ala Val Glu Asp Asn Xaa Leu Leu Ile Lys Ala  
20 25 30  
Val Gln Asn Glu Asp Val Asp Leu Val Gln Gln Leu Leu Glu Gly Gly  
35 40 45  
Ala Asn Val Asn Phe Gln Glu Glu Lys Gly Ala Gly  
50 55 60

<210> 7515

<211> 174

<212> PRT

<213> Homo sapiens

<400> 7515

Met Pro Gly Ser Leu Pro Leu Asn Ala Glu Ala Cys Trp Pro Lys Asp  
1 5 10 15  
Val Gly Ile Val Ala Leu Glu Ile Tyr Phe Pro Ser Gln Tyr Val Asp  
20 25 30  
Gln Ala Glu Leu Glu Lys Tyr Asp Gly Val Asp Ala Gly Lys Tyr Thr  
35 40 45  
Ile Gly Leu Gly Gln Ala Lys Met Gly Phe  
50 55

<210> 7516

<211> 216

<212> PRT

<213> Homo sapiens

<400> 7516

Met Glu Ser Arg Ser Val Thr Gln Ala Gly Val Gln Trp Cys Ile Ser  
1 5 10 15  
Ala Tyr Cys Lys Leu Arg Leu Pro Gly Ser Arg His Ser Pro Ala Ser  
20 25 30  
Ala Ser His Val Ala Gly Thr Thr Gly Ala Arg His His Ala Arg Leu  
35 40 45  
Ile Phe Cys Thr Phe Phe Ser Ile Asp Gly Val Ser Pro Cys Xaa Pro  
50 55 60  
Gly Trp Ser Arg Ser Pro Asp Leu  
65 70

<210> 7517

<211> 195

<212> PRT

<213> Homo sapiens

<400> 7517

Met Phe Cys Gln Arg Lys Asp Thr Gly Gln Lys Lys Thr Leu Asp Lys  
1 5 10 15  
Lys Asp Gly Arg Arg Met Ser Phe Gln Lys Pro Lys Gly Thr Ile Glu  
20 25 30  
Tyr Thr Val Glu Ser Arg Asp Ser Leu Asn Ser Ile Ala Leu Lys Phe  
35 40 45  
Asp Thr Thr Pro Asn Glu Leu Val Gln Leu Asn Lys Leu Phe Ser Arg  
50 55 60  
Ala  
65

<210> 7518

<211> 237

<212> PRT

<213> Homo sapiens

<400> 7518

Met Arg Leu Glu Ser Pro Asp Glu Asn Phe Ala Val Val Gln Glu His  
1 5 10 15  
Ala Ile His His Ile Asp Gly Pro Leu Arg Arg Phe Leu Leu Leu Glu  
20 25 30

Val His Glu Pro Val Ala Leu Gly Pro Leu Phe Val Thr Gly His Phe  
 35 40 45  
 Ala Gly Glu Asp Val Ala Glu Arg Arg Glu Asp Val Val Gln Arg Leu  
 50 55 60  
 Val Val Asp Gly Leu Ala Gln Val Leu Asp Glu Asp Val Ala His  
 65 70 75

<210> 7519  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 7519  
 Met Leu Ile Phe Leu Ser Phe Phe Leu Phe Asp Met Glu Ser Arg Ser  
 1 5 10 15  
 Leu Ala Gln Ala Gly Leu Gln Trp His Asn Leu Gly Ser Leu Gln Pro  
 20 25 30  
 Leu Pro Pro Gly Phe Lys Arg Phe Ser Cys Leu Ser Leu Pro Ser Ser  
 35 40 45  
 Trp Asp Tyr Arg Arg Ala  
 50

<210> 7520  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 7520  
 Met Tyr Leu Lys Cys Leu Val Pro Asp Thr Gln Gly Thr Leu Cys Lys  
 1 5 10 15  
 Trp Ser Asp Ser Tyr Ser Ser Gly Ser Ser Val Asp Ser Gly Lys Pro  
 20 25 30  
 Ser Lys Val Ile Met Gly Gly Gly Arg Lys Tyr Met Tyr Pro Lys Asn  
 35 40 45  
 Lys Thr Asp Val Glu Tyr  
 50

<210> 7521  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7521  
 Met Leu Ile Leu Gly Lys Met Ile Arg Trp Glu Asp Tyr Val Leu Arg  
 1 5 10 15  
 Leu Trp Arg Lys Tyr Ser Asn Lys Leu Gln Ile Leu Asn Ser Ile Phe  
 20 25 30  
 Pro Gly Ile Gly Cys Pro Val Pro Arg Ile Pro Ala Glu Ala Asn Pro  
 35 40 45  
 Leu Ala Asp His Val Ser Ala Thr Arg Ile Leu Cys Gly Ala  
 50 55 60

<210> 7522  
 <211> 162

<212> PRT  
<213> Homo sapiens

<400> 7522  
Met Ser Ser Leu Gln Ala Leu Cys Ser Gly Leu Pro Leu Arg Pro Leu  
1 5 10 15  
Pro Glu Asn Arg Gly Arg Gln Ala Gly Val Pro His Ala Pro Val Arg  
20 25 30  
Thr Pro Ser Leu Ser Pro Val Glu Lys Gln Leu Ala Leu Arg Asn Ala  
35 40 45  
Leu Arg Tyr Phe Pro Pro  
50

<210> 7523  
<211> 288  
<212> PRT  
<213> Homo sapiens

<400> 7523  
Met Phe Phe Lys Tyr Thr Trp Asn Asn Phe Leu His Thr Gln Val Glu  
1 5 10 15  
Ile Cys Ile Ala Leu Ile Leu Ala Ser Pro Phe Glu Asn Thr Glu Asn  
20 25 30  
Ala Thr Ile Thr Asp Gln Asp Ser Thr Gly Asp Asn Leu Leu Leu Lys  
35 40 45  
His Leu Phe Gln Lys Cys Gln Leu Ile Glu Arg Ile Leu Glu Ala Trp  
50 55 60  
Glu Met Asn Glu Lys Lys Gln Ala Glu Gly Gly Arg Arg His Gly Tyr  
65 70 75 80  
Met Gly His Leu Thr Arg Ile Ala Asn Cys Ile Val His Thr Leu Thr  
85 90 95

<210> 7524  
<211> 177  
<212> PRT  
<213> Homo sapiens

<400> 7524  
Met Ala Ile Leu Pro Lys Val Ile Tyr Arg Phe Asn Ala Ile Pro Ile  
1 5 10 15  
Lys Leu Pro Met Pro Phe Phe Thr Glu Leu Glu Lys Thr Thr Leu Lys  
20 25 30  
Phe Ile Trp Asn Gln Lys Arg Ala Arg Ile Ala Lys Xaa Ile Leu Ser  
35 40 45  
Gln Lys Asp Lys Ala Gly Gly Ile Thr Leu Pro  
50 55

<210> 7525  
<211> 180  
<212> PRT  
<213> Homo sapiens

<400> 7525  
Met Pro Val Pro Ile Pro Ala Ala Ala Asp Ala Gly Asp Ala Thr Gln



1 5 10 15  
 Asn Thr Lys Thr Asp Glu Gly Glu Leu Leu Thr Gly Phe Gln Pro Trp  
 20 25 30  
 Ile Phe Lys Ser Pro Pro Leu Leu Pro Val His Ala Gly Pro Ser Gln  
 35 40 45  
 His Gln Leu Cys Ser Gly Pro Phe Ser Tyr Arg His  
 50 55 60

<210> 7526  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 7526  
 Met Xaa Cys His Gln Gln Gln Leu Gln Arg Met Lys Glu Asn Ala Lys  
 1 5 10 15  
 His Arg Asn Gln Tyr Lys Phe Ile Leu Leu Glu Asn Leu Thr Ser Arg  
 20 25 30  
 Tyr Glu Val Pro Cys Val Leu Asp Leu Lys Met Gly Thr Arg Gln His  
 35 40 45  
 Gly Asp Asp Ala Ser Glu Glu Lys Ala Ala  
 50 55

<210> 7527  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 7527  
 Met Val Gln Gly Gly Phe Pro Glu Lys Ile Arg Gln Arg Tyr Ala Asp  
 1 5 10 15  
 Leu Pro Gly Glu Leu His Ile Ile Glu Leu Glu Lys Asp Lys Asn Gly  
 20 25 30  
 Leu Gly Leu Ser Leu Ala Gly Asn Lys Asp Arg Ser Arg Met Ser Ile  
 35 40 45  
 Phe Val Val Gly Ile Asn Pro Glu Gly Pro Thr Ala  
 50 55 60

<210> 7528  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 7528  
 Met Ala Pro Pro Phe Glu Ile Thr Pro Gly Leu Asn Val Thr Phe Ser  
 1 5 10 15  
 Ser Gly Pro Ser Leu Ile Ile His Pro Thr Val Ile Pro Phe Pro Ala  
 20 25 30  
 His Ser Leu Ser Asp Lys Pro Cys Ile Leu Ile His Met Thr Leu Phe  
 35 40 45  
 Ala Asn Ala  
 50

<210> 7529

<211> 414  
 <212> PRT  
 <213> Homo sapiens

<400> 7529

Met Lys Leu Lys Leu Tyr Leu Cys Ile Leu Gly Pro Trp Gly Cys Xaa  
 1 5 10 15  
 Xaa Lys Val Pro Leu Ile Gly Phe Leu Lys Arg Ile Xaa Xaa Tyr Xaa  
 20 25 30  
 Leu Thr Val Leu Lys Pro Xaa Ser Leu Xaa Ser Xaa Ser Ala Gly Leu  
 35 40 45  
 Val Pro Ser Glu Asp Ser Lys Lys Glu Ser Val Ser Cys Leu Ser Pro  
 50 55 60  
 Arg Phe Trp Trp Trp Leu Gly Ser Leu Xaa Val Thr Trp Leu Ile His  
 65 70 75 80  
 Ala Ser Leu Gln Ser Leu Ser Pro Phe Ser His Ala Ile Phe Ser Cys  
 85 90 95  
 Val Ser Val Phe Ser Phe Ala Tyr Lys Asp Thr Ser His Ile Glu Leu  
 100 105 110  
 Gly Pro Ala Leu Ile Thr Ser Ser Gln Leu Pro Leu Gln Gly Thr Asn  
 115 120 125  
 Phe Gln Ile Met Ser His Ser His Val Ala  
 130 135

<210> 7530  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 7530

Met Xaa Gly Ile Ala Pro Glu Glu Gly Gly Val Asp Ala Lys Asp Thr  
 1 5 10 15  
 Ser Ala Thr Ser Gln Ser Val Asn Gly Ser Xaa Gln Ala Glu Gln Pro  
 20 25 30  
 Ser Leu Glu Ser Thr Ser Lys Glu Ala Phe Phe Ser Arg Val Xaa Thr  
 35 40 45  
 Phe Ser Ser Leu Lys Trp Ala Gly Lys Pro Phe Glu Leu Ser Pro Leu  
 50 55 60  
 Val Cys Ala Lys Tyr Gly Trp Val Thr  
 65 70

<210> 7531  
 <211> 252  
 <212> PRT  
 <213> Homo sapiens

<400> 7531

Met Leu Gln Gln Phe Asn Ala Leu Ala Gln Leu Arg Arg Ile Asp Gln  
 1 5 10 15  
 Leu Thr Ile Asp Pro Gln Gly Asn Pro Val Val Asn Phe Thr Leu Trp  
 20 25 30  
 Lys Tyr Tyr Val Leu Phe Arg Leu Ser His Phe Ser Met Gln Lys Ile  
 35 40 45  
 Asn Gly Thr Glu Val Thr Gln Asn Asp Met Ile Met Ala Glu Arg Leu

50                      55                      60  
 Phe Gly Ile Leu Ala His Val Ala Ser Ser Glu Leu Pro Gln Tyr Arg  
 65                      70                      75                      80  
 Leu Ile Ser Ile

<210> 7532  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7532  
 Met Phe Pro Ser Asn Thr Asp Thr Asp Gln Gly Arg Leu Asn Pro Thr  
 1                      5                      10                      15  
 Asn Phe Ser Ser Asp Ala Ser Gln Gln Gly Ala Phe Gln Glu Leu Met  
                     20                      25                      30  
 Ala Lys Ile Ser Thr His Asn Thr Asn Lys Leu Arg Lys Ser Leu Leu  
                     35                      40                      45  
 Thr Ile Leu Xaa Gln  
 50

<210> 7533  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 7533  
 Met Gly Thr Gln Asp Pro Gly Asn Met Gly Thr Gly Val Pro Ala Ser  
 1                      5                      10                      15  
 Glu Gln Ile Ser Cys Ala Lys Glu Asp Pro Gln Val Tyr Cys Pro Glu  
                     20                      25                      30  
 Glu Thr Gly Gly Thr Lys Asp Val Gln Val Thr Asp Cys Lys Ser Pro  
                     35                      40                      45  
 Glu Asp Ser  
 50

<210> 7534  
 <211> 297  
 <212> PRT  
 <213> Homo sapiens

<400> 7534  
 Met Gly Lys Asp Phe Ile Thr Lys Thr Pro Lys Ala Met Val Thr Lys  
 1                      5                      10                      15  
 Thr Lys Ile Asp Lys Trp Xaa Leu Lys Trp Xaa Xaa Lys Ser Phe Cys  
                     20                      25                      30  
 Thr Ala Arg Glu Thr Ile Ile Arg Val Asn Arg Gln Pro Thr Glu Trp  
                     35                      40                      45  
 Glu Lys Ile Phe Ala Ile His Pro Tyr Asp Lys Gly Leu Ile Ser Arg  
                     50                      55                      60  
 Ile Tyr Lys Glu Leu Lys Gln Ile Tyr Lys Lys Lys Gln Pro Tyr Arg  
 65                      70                      75                      80  
 Lys Glu Gly Lys Gly Tyr Glu Gln Thr Phe Leu Lys Arg Arg His Xaa  
                     85                      90                      95  
 Cys Asn Gln

<210> 7535  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 7535  
 Met Arg Lys Asp Val Val Ser Phe Pro Leu Gly Lys His Ser Val Ser  
 1 5 10 15  
 Glu Trp Lys Thr Cys Val Trp Ala Trp His Gly Ser Val Arg Pro Ser  
 20 25 30  
 Tyr Gln Pro Ser Arg Val Cys Asp Gln Ser Thr Trp Glu Val His Ile  
 35 40 45  
 Arg Val Glu Lys Pro Pro Thr Gly Cys Gln Leu Trp Ile Phe Glu Ile  
 50 55 60  
 Ile Pro Asn Glu Cys Ser Leu Ala Gln Ala Lys Pro Leu Thr Gly Met  
 65 70 75 80  
 Met Thr

<210> 7536  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 7536  
 Met Ala Gln Gly Thr Leu Ile Arg Val Thr Pro Glu Gln Pro Thr His  
 1 5 10 15  
 Ala Val Cys Val Leu Gly Thr Leu Thr Gln Leu Asp Ile Cys Ser Ser  
 20 25 30  
 Ala Pro Glu Asp Xaa Thr Ser Phe Lys His Gln Arg Leu Pro Arg Gly  
 35 40 45  
 Gly Arg Gly Tyr Cys Pro  
 50

<210> 7537  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7537  
 Met Asn Pro Arg Phe Pro Leu Leu Arg Trp Gly Xaa Arg Glu Gly Thr  
 1 5 10 15  
 Thr Ser Ala Leu Asp Ile Pro Gly Asp Ala Arg Thr Arg Trp Ala Val  
 20 25 30  
 Arg Ala Gly Ala Leu Glu Arg Trp Pro Trp Arg Arg Arg Pro Leu Val  
 35 40 45  
 Thr Asp Ala Gly  
 50

<210> 7538  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

004220" 666E F 960

&lt;400&gt; 7538

Met Phe Tyr Leu Ala Met Gln Val Ile Tyr Val Tyr Ile Gln Pro Ala  
 1 5 10 15  
 Gly Asn Leu Arg Ser Lys Glu Val Gly Leu Glu Xaa Arg Arg Lys Leu  
 20 25 30  
 Glu Ser Leu Arg Leu Glu Pro Ser Cys Ala Ala Xaa Ile Phe Ser Gly  
 35 40 45  
 Met Ala Val Arg Ile Phe Trp Leu Lys Ser  
 50 55

&lt;210&gt; 7539

&lt;211&gt; 321

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7539

Met Lys Glu Glu Gly Val Lys Leu Leu Arg Glu Ala Met Gly Ile Tyr  
 1 5 10 15  
 Ile Ser Thr Leu Lys Thr Glu Phe Thr Gln Gly Met Ile Leu Pro Thr  
 20 25 30  
 Met Asn Gly Glu Ser Val Asp Pro Val Gly Gln Pro Ala Leu Lys Thr  
 35 40 45  
 Xaa Glu Arg Lys Ala Lys Pro Ala Pro Ser Lys Thr Gln Ala Arg Pro  
 50 55 60  
 Val Gly Val Lys Ile Pro Thr Cys Lys Ile Thr Leu Lys Glu Thr Phe  
 65 70 75 80  
 Leu Thr Ser Pro Glu Leu Tyr Arg Val Phe Thr Thr Gln Gly Ala  
 85 90 95  
 Gly Ala Gly Leu Xaa Pro Cys Ser Cys Asn Ile  
 100 105

&lt;210&gt; 7540

&lt;211&gt; 186

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7540

Met Thr Ser His Pro Pro Ala Ala Met Leu His Phe Ile Thr Gly Trp  
 1 5 10 15  
 Gln Gly Phe Lys Glu Gln Arg Trp Gly Gln Ala Pro Met His Glu His  
 20 25 30  
 Leu Ser Ser Leu Cys Leu Tyr His Leu Cys Ser Leu Pro Met Asp Gln  
 35 40 45  
 Ser Lys Ser His Ser Gly Xaa Gln Val Asn Glu Lys Ala Arg  
 50 55 60

&lt;210&gt; 7541

&lt;211&gt; 249

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7541

Met Ala Gln Ala Leu Gly Glu Asp Leu Val Gln Pro Pro Glu Leu Gln  
 1 5 10 15

004430-666750

Xaa Asp Ser Ser Ser Leu Gly Ser Asp Ser Glu Leu Ser Gly Pro Gly  
 20 25 30  
 Pro Tyr Arg Gln Ala Asp Arg Tyr Gly Phe Ile Gly Gly Ser Ser Ala  
 35 40 45  
 Glu Pro Gly Pro Gly His Pro Pro Ala Asp Leu Ile Arg Gln Arg Glu  
 50 55 60  
 Met Lys Trp Val Glu Met Thr Ser His Trp Glu Lys Thr Met Ser Arg  
 65 70 75 80  
 Arg Tyr Lys

<210> 7542  
 <211> 345  
 <212> PRT  
 <213> Homo sapiens

<400> 7542  
 Met Pro Asp Leu Ser Leu Ser Phe Met Asn Pro Arg Leu Leu Asp Asp  
 1 5 10 15  
 Val Ser Phe His Pro Cys Ile Arg Phe Lys Arg Trp Glu Ser Glu Arg  
 20 25 30  
 Val Leu Ser Phe Ile Pro Pro Asp Gly Asn Phe Arg Leu Ile Ser Tyr  
 35 40 45  
 Arg Val Ser Ser Gln Asn Leu Val Ala Ile Pro Val Tyr Val Lys His  
 50 55 60  
 Ser Ile Ser Phe Lys Glu Asn Ser Ser Cys Gly Arg Phe Asp Ile Thr  
 65 70 75 80  
 Ile Gly Pro Lys Gln Asn Met Gly Lys Thr Ile Glu Gly Ile Thr Val  
 85 90 95  
 Thr Val His Met Pro Lys Val Val Leu Asn Leu Xaa Leu Thr Pro Thr  
 100 105 110  
 Gln Ser Ser  
 115

<210> 7543  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 7543  
 Met His Ala Ser Asn Ser Leu Asn Phe Gly Phe Ser Tyr Leu Lys His  
 1 5 10 15  
 Phe Ser Gly Ile Phe Pro Phe Leu Met Leu Trp Gly Gly Asn Arg Met  
 20 25 30  
 Ala Asn His Cys Glu Pro Asp Thr Ser Ala Gln Ser Thr Leu Cys Val  
 35 40 45  
 Thr Ser Gln Met Gly Asp Phe Thr Asn Gly Val Thr Glu Cys Tyr Tyr  
 50 55 60  
 Phe Gln Ile Leu Thr Arg Ser  
 65 70

<210> 7544  
 <211> 261  
 <212> PRT  
 <213> Homo sapiens

<400> 7544

Met Lys Gly Phe Leu Ser Gly His Ala Glu Asn Leu Leu Arg Gly Val  
 1 5 10 15  
 Tyr Glu Thr Cys Thr Thr Met Thr Met Ser Leu Leu Lys Trp Val Arg  
 20 25 30  
 Gln Thr Pro Xaa Pro Ser Arg Pro Ser Asp Ser Asp Val Ser Leu Glu  
 35 40 45  
 Glu Asp Arg Glu Ala Val Arg Arg Glu Ala Xaa Xaa Arg Pro Arg His  
 50 55 60  
 Ser Trp Lys Lys Xaa Arg Gln Ser Pro Leu His Leu Arg Phe Gly Gln  
 65 70 75 80  
 Met Ser Ala Thr Val Arg Pro  
 85

<210> 7545

<211> 273

<212> PRT

<213> Homo sapiens

<400> 7545

Met Ser Leu Leu Gly Pro Lys Val Leu Leu Phe Leu Ala Ala Phe Ile  
 1 5 10 15  
 Ile Thr Ser Asp Trp Ile Pro Leu Gly Val Asn Ser Gln Arg Gly Asp  
 20 25 30  
 Asp Val Thr Gln Ala Thr Pro Glu Thr Phe Thr Glu Asp Pro Asn Leu  
 35 40 45  
 Val Asn Asp Pro Ala Thr Asp Glu Thr Val Leu Ala Val Leu Ala Asp  
 50 55 60  
 Ile Ala Pro Ser Thr Asp Asp Leu Glu Cys Trp Asp Glu Lys Phe Thr  
 65 70 75 80  
 Cys Thr Arg Leu Tyr Ser Val His Arg Pro Val  
 85 90

<210> 7546

<211> 183

<212> PRT

<213> Homo sapiens

<400> 7546

Met Phe Ala Ser Glu Ser Lys Tyr Asn Leu Phe Thr Lys Cys Phe Ile  
 1 5 10 15  
 Lys Phe Phe Leu Leu Val Asp Thr Gly Ser Tyr Cys Ile Thr Gln Ala  
 20 25 30  
 Gly Leu Glu Cys Leu Ala Ser Ser Asn Pro Pro Thr Ser Val Phe Gln  
 35 40 45  
 Ser Ala Gly Thr Thr Asp Met Ser His His Thr Gly Ser  
 50 55 60

<210> 7547

<211> 306

<212> PRT

<213> Homo sapiens

<400> 7547

Met Gly Gln Phe Thr Ala Ala Met Val Gly Arg Ile Ser Cys Leu Gly  
1 5 10 15  
Val Trp Xaa Thr Ala Lys Ser Gly Lys Leu Gln Pro Ala Ser Glu Ala  
20 25 30  
Ser Val Val Thr Gly Pro Asn Asn Lys Asn Asn Arg Asn Asn Asn  
35 40 45  
Asn Asn Asn Lys Thr Cys His Val Cys Thr Gly Ile Tyr Lys His Ala  
50 55 60  
His Arg Thr Lys Pro Ser Gly Gln Gly Phe Lys Glu Ser Phe Trp Ala  
65 70 75 80  
Ala His Pro Arg Gly Glu Ala Tyr Pro Leu Ala Trp Cys His Cys Ser  
85 90 95  
Pro Ala Pro Ser Pro Pro  
100

<210> 7548

<211> 153

<212> PRT

<213> Homo sapiens

<400> 7548

Met Phe Met Ala Tyr Phe Ser Phe Asn Leu Pro Gly Leu Lys His Phe  
1 5 10 15  
Ser Tyr Leu Arg Ser Pro Ser Ser Trp Asp Tyr Arg His Thr Pro Ser  
20 25 30  
His Pro Ala Asn Phe Cys Ile Phe Cys Arg Val Arg Val Ser Pro Phe  
35 40 45  
Ser Pro Gly  
50

<210> 7549

<211> 234

<212> PRT

<213> Homo sapiens

<400> 7549

Met Cys Asp Trp Lys Asp Val Leu Ser Gly Gly Glu Lys Gln Arg Ile  
1 5 10 15  
Gly Met Ala Arg Met Phe Tyr His Arg Pro Lys Tyr Ala Leu Leu Asp  
20 25 30  
Glu Cys Thr Ser Ala Val Ser Ile Asp Val Glu Gly Lys Ile Phe Gln  
35 40 45  
Xaa Ala Xaa Xaa Arg Gly His Cys Leu Leu Ser Ile Thr Xaa Arg Xaa  
50 55 60  
Xaa Leu Trp Lys Tyr Thr His Thr Cys Tyr Ser Ser Met Gly  
65 70 75

<210> 7550

<211> 171

<212> PRT

<213> Homo sapiens

<400> 7550

004220-6664560



Met Arg Ser Arg His Cys Thr Pro Val Trp Ala Thr Glu Gln Asp Ser  
 1 5 10 15  
 Val Ser Lys Lys Glu Ile Asp Val His Ser Gly Thr Xaa Gln Lys Lys  
 20 25 30  
 Tyr Pro His Thr Cys Trp Val Ile Val Thr Val Leu Phe Leu Ser Arg  
 35 40 45  
 Asn Pro Lys Val Ser Arg Leu Val Leu  
 50 55

<210> 7551  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 7551  
 Met Leu Leu Leu Asn Glu Asn Leu Lys Ala Glu Ile Gln Lys Asn Glu  
 1 5 10 15  
 Ala Gln Gly Ser Cys Ile Leu Phe Leu Phe Cys Phe Glu Ser Gln Asn  
 20 25 30  
 Met Arg Ser Lys Ser Ile Phe Pro Phe Leu Ile Leu His Phe Phe Pro  
 35 40 45  
 Gln Gln Ile Arg Lys Lys Ile Val Val Leu Leu Leu Gly Leu Asn Ser  
 50 55 60  
 Gln Lys Ala  
 65

<210> 7552  
 <211> 306  
 <212> PRT  
 <213> Homo sapiens

<400> 7552  
 Met Ser Asn Cys Arg Ala Gly Glu Asn Ala Gly Met Gly Arg Phe Thr  
 1 5 10 15  
 Lys Val Gly Glu Gln Glu Arg Thr Val Asp Thr Leu Pro Ser Pro Gln  
 20 25 30  
 His Pro Val Ala His Cys Cys Ser Gln Leu Glu Glu Arg Trp Gln Arg  
 35 40 45  
 Leu Gln Ser Gln Val Ile Ser Glu Leu Asp Ala Cys Lys Glu Cys Thr  
 50 55 60  
 Gln Gly Val Gln Arg Glu Val Ser Met Val Glu Gly Arg Val Ser Xaa  
 65 70 75 80  
 Met Glu Lys Thr Cys Ser Lys Leu Asp Ser Ile Ser Gly Asn Leu Gln  
 85 90 95  
 Arg Ile Lys Glu Gly Leu  
 100

<210> 7553  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 7553  
 Met Pro Phe Phe Leu Met Ile Pro Ile Ile Val Xaa Xaa Asn Phe Phe

1 5 10 15  
 Xaa Asn Xaa Phe Tyr Tyr Thr Leu Ser Ser Arg Val His Val His Asn  
 20 25 30  
 Met Gln Val Cys Tyr Ile Cys Val His Val Pro Cys Trp Cys Ala Ala  
 35 40 45  
 Pro Ile Asn Leu Ser Phe Thr Leu Gly Ile Ser Pro Asn Ala Ile Pro  
 50 55 60  
 Ser  
 65

<210> 7554  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 7554  
 Met Cys His His Ala Arg Leu Ile Phe Val Phe Leu Val Glu Met Gly  
 1 5 10 15  
 Phe Leu His Val Gly Gln Thr Cys Leu Gly Leu Pro Thr Ser Gly Asp  
 20 25 30  
 Leu Pro Ala Ser Ala Ser Gln Ser Ala Gly Ile Thr Gly Met Ser His  
 35 40 45  
 Arg Ala Cys Pro Phe Phe Phe  
 50 55

<210> 7555  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 7555  
 Met Lys Cys Leu Val Cys Ile Asn Thr Leu Trp Arg Ile Asn Arg Ile  
 1 5 10 15  
 Gln Phe Phe Arg Glu Arg Tyr Phe Gln Ile His Val Ile Leu Arg Ala  
 20 25 30  
 Leu Asn Thr Met His Ser Ile Val Phe Leu Leu Phe Cys Phe Lys Glu  
 35 40 45  
 Asn Asp Cys Leu Asp Pro Val  
 50 55

<210> 7556  
 <211> 261  
 <212> PRT  
 <213> Homo sapiens

<400> 7556  
 Met Arg Leu Cys Leu Ile Met Tyr Cys Ser Phe Gly Thr Leu Ser His  
 1 5 10 15  
 Leu Thr Tyr Leu Leu Leu Leu Ser Pro Ile Lys Tyr Pro Leu Asp Leu  
 20 25 30  
 Asp Phe Leu Tyr Pro Ile Phe Ser Thr Val Tyr Lys Arg Tyr Ile Val  
 35 40 45  
 Thr Val Asn Phe Cys Ile Ser Cys Ser Glu Ser Phe Leu Leu Ser Asp  
 50 55 60

Leu Ile Ala Leu Phe Leu Ile Arg Glu Leu Gln Leu Leu Gln His Thr  
65 70 75 80

Val Ser Val Val Gln Pro Pro  
85

<210> 7557

<211> 168

<212> PRT

<213> Homo sapiens

<400> 7557

Met Xaa Xaa Pro Lys Leu Ser Ser Ala Ser Gly Pro Asn Asn Ser Phe  
1 5 10 15

Thr Lys Gly Ala Ala Phe Tyr Pro Gly His Thr Glu Val Xaa Ser Val  
20 25 30

Met Ser Met Leu Phe Tyr Thr Leu Ile Thr Ala Phe Leu Ile Gly Ile  
35 40 45

Gln Ala Glu Pro His Ser Glu Ser  
50 55

<210> 7558

<211> 273

<212> PRT

<213> Homo sapiens

<400> 7558

Met Thr Pro Leu His Ser Cys Leu Gly Asp Arg Ala Arg Pro Gly Leu  
1 5 10 15

Lys Asn Lys Ile Lys Ile Phe Leu Lys Asn Gly Asn Gly Leu Met Phe  
20 25 30

Ala Arg Tyr Leu Gln Val Phe Ser Phe Ala His Glu Val Trp Met  
35 40 45

Leu Val Thr Phe Leu Val Cys Val Leu Phe Ile Phe Leu Ser Phe Ser  
50 55 60

Leu Ser Arg Gln Gly Phe Cys Met Leu Pro Arg Leu Val Ser Gly Ser  
65 70 75 80

Trp Pro Gln Val Ile Leu Pro Pro Gly Pro Leu  
85 90

<210> 7559

<211> 159

<212> PRT

<213> Homo sapiens

<400> 7559

Met Gly Lys Gly Cys Val Arg Val Cys Ala Lys Thr Arg Lys Ala Arg  
1 5 10 15

Ile Ser Glu Asn Lys Thr Leu Val Leu Ala Trp Pro Gly Thr Ala Glu  
20 25 30

Asp Ser Gly Arg Gln Arg Gln Gly Gly Ser Gly Ala Gly Pro Ala Lys  
35 40 45

Phe Ala Pro Ala Ala  
50

<210> 7560  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 7560  
 Met Cys Pro Gln Val Leu Arg Ser Ala Ser Pro Ile Arg Lys Gly Lys  
 1 5 10 15  
 Arg Phe Leu Gln Met Arg Ile Ala Trp Gln Ser Val Xaa Pro Leu Pro  
 20 25 30  
 Lys Met Thr Pro Val Thr Gln Val Lys Ser Glu Val Gln Gln Pro Val  
 35 40 45  
 His Pro Lys  
 50

<210> 7561  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 7561  
 Met Arg Phe Ser Pro Val Gln Pro Leu Leu Ser Pro Val His Arg Leu  
 1 5 10 15  
 Leu Gln Pro Lys Arg Asn Glu Cys Ile Gln Gly Ser Glu Xaa Ala Ser  
 20 25 30  
 Met Val Ile Thr Glu Ser Pro Ala Ala Leu Gln Leu Arg Tyr Leu Gln  
 35 40 45  
 Thr Leu Thr Thr Ile Ala Ala Glu Lys Asn Ser Xaa Ile Val Phe Pro  
 50 55 60

<210> 7562  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 7562  
 Met Tyr Glu Ser Ser Val Trp Gly Leu Ser Val Cys Ile Cys Glu Phe  
 1 5 10 15  
 Xaa Arg Glu Gly Leu Ser Pro Ser Val Cys Arg Cys Gln Asp Gly Asp  
 20 25 30  
 Gly Gln Arg Arg Ser Ser Trp Ala Ala Leu Val Ala Pro Arg Gly Cys  
 35 40 45  
 Gly Val Gly His Phe Ser Pro Arg Gly Leu Gly Ser Thr Val Gln His  
 50 55 60

<210> 7563  
 <211> 273  
 <212> PRT  
 <213> Homo sapiens

<400> 7563  
 Met Leu Arg Lys Gln Ser Glu Ile Phe Leu Lys Arg Asp Arg Val Ser  
 1 5 10 15  
 Leu Lys Cys Asn Gly Ser Ile Thr Ala His Asn Phe Leu Gly Ser Gly

20 25 30  
 Asp Pro Pro Ser Ser Ala Ile Gln Val Ala Gly Thr Thr Gly Val Arg  
 35 40 45  
 His Tyr Ala Trp Leu Ile Phe Tyr Phe Phe Phe Ser Arg Glu Gly Val  
 50 55 60  
 Ser Pro Xaa Cys Pro Gly Trp Ser Arg Thr Leu Gly Leu Lys Xaa Ser  
 65 70 75 80  
 Thr Xaa Xaa Gly Leu Pro Lys Xaa Trp Glu Leu  
 85 90

<210> 7564  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 7564  
 Met Tyr Arg Leu Ser Leu Ile Ala Gly Pro Gly Ser Tyr Pro Val Leu  
 1 5 10 15  
 Arg Trp Gly Val Trp Asp Ile Pro Ser Ser Leu Val Gln Val Thr Tyr  
 20 25 30  
 His Gln Pro Asn Leu Thr Thr Asn Leu Asp Leu Pro Leu Phe Phe Ser  
 35 40 45  
 Cys Ser Ile Ser Ala Thr His Ser Cys Val Lys Pro Pro Ser Val Ile  
 50 55 60  
 Ile Gly Ile Ser Ser Phe Leu Ser Phe Pro Tyr Gln Thr Leu Val  
 65 70 75

<210> 7565  
 <211> 231  
 <212> PRT  
 <213> Homo sapiens

<400> 7565  
 Met Val Ser Gly Lys Lys Leu Pro Leu Ala Trp Arg Arg Pro Phe His  
 1 5 10 15  
 Leu Pro Pro Arg Ser Ala Ser Leu Thr Pro Ser Pro Xaa Leu Xaa Val  
 20 25 30  
 Leu Pro Arg Asn Arg Lys Glu Gln Gly Ser Cys Arg Thr Gly Val Leu  
 35 40 45  
 Gly Lys Val Ser Arg Ala Gly Ser Trp Glu Gly Cys Pro Xaa Cys Phe  
 50 55 60  
 Leu Ser Ser Cys Gly Ser Ile Xaa Pro Ala Cys Leu Pro  
 65 70 75

<210> 7566  
 <211> 276  
 <212> PRT  
 <213> Homo sapiens

<400> 7566  
 Met Thr Leu Pro Lys Thr Tyr Thr Ile Ala Asn Gln Phe Pro Leu Asn  
 1 5 10 15  
 Lys Leu Thr Glu Leu Leu Arg His Asp Met Ala Ala Ala Gly Phe Thr  
 20 25 30

Glu Ala Leu Thr Phe Ala Leu Cys Ser Gln Glu Asp Ile Ala Asp Lys  
 35 40 45  
 Leu Gly Val Asp Ile Ser Ala Thr Lys Ala Val His Ile Ser Asn Pro  
 50 55 60  
 Lys Thr Ala Glu Phe Gln Val Ala Arg Thr Thr Leu Leu Pro Gly Leu  
 65 70 75 80  
 Leu Lys Thr Xaa Ala Ala Asn Arg Lys Met Pro Pro  
 85 90

<210> 7567  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 7567  
 Met Gly Thr Trp Gln Leu Lys Thr Asp Gly Ser Arg Thr Lys Glu Thr  
 1 5 10 15  
 Phe Ala Leu Glu Ala Gln Pro Asn Ser Pro Gly His Arg His Arg Trp  
 20 25 30  
 His Leu Glu His Gly Leu Pro Gln Ser Gly Gly Arg Ala Cys Val Val  
 35 40 45  
 Gln Arg Ala Gln Pro Gly Thr Lys Lys Glu Met Arg Pro Leu Ser Ser  
 50 55 60  
 Met Ser Pro Cys Pro  
 65

<210> 7568  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens

<400> 7568  
 Met Leu Gln Trp Thr Leu Arg Val Leu Gly Met Gly Gly Ile Arg Asp  
 1 5 10 15  
 Leu Leu Ser Lys Ser Glu Ser Gln Leu Phe Ser Phe Leu Leu Tyr Pro  
 20 25 30  
 Pro Leu Arg Tyr Leu Cys Asp Lys Val Val Pro Gly Asn Arg Val Thr  
 35 40 45  
 Ile Met Gly Ile Tyr Ser Ile Lys Lys Phe Gly Leu Thr Xaa Ser Arg  
 50 55 60  
 Gly Leu  
 65

<210> 7569  
 <211> 312  
 <212> PRT  
 <213> Homo sapiens

<400> 7569  
 Met Ala Ala Ser Ser Gln Leu Arg Leu Thr Glu Gln His Phe Ile Glu  
 1 5 10 15  
 Leu Asp Glu Asn Arg Gln Arg Leu Leu Gln Lys Cys Lys Glu Leu Met  
 20 25 30  
 Lys Arg Ala Arg Gln Val Cys Asn Leu Gly Ala Glu Gln Thr Leu Pro

35 40 45  
 Gln Glu Tyr Xaa Thr Val Phe Gln Asp Leu Pro Asn Thr Leu Asp Glu  
 50 55 60  
 Ile Asp Ala Leu Leu Thr Glu Glu Arg Ser Arg Ala Ser Cys Phe Thr  
 65 70 75 80  
 Gly Leu Asn Pro Thr Ile Val Gln Glu Tyr Thr Lys Arg Glu Glu Glu  
 85 90 95  
 Ile Glu Gln Leu Thr Glu Glu His  
 100

<210> 7570  
 <211> 366  
 <212> PRT  
 <213> Homo sapiens

<400> 7570  
 Met Leu Ile Ser Asp Arg Leu Gly Tyr His Arg Asp Val Pro Asp Thr  
 1 5 10 15  
 Arg Asn Ala Ala Cys Lys Glu Lys Phe Tyr Pro Pro Asp Leu Pro Ala  
 20 25 30  
 Ala Ser Val Val Ile Cys Phe Tyr Asn Glu Ala Phe Ser Ala Leu Leu  
 35 40 45  
 Arg Thr Val His Ser Val Ile Asp Arg Thr Pro Ala His Leu Leu His  
 50 55 60  
 Glu Ile Ile Leu Val Asp Asp Asp Ser Asp Phe Asp Asp Leu Lys Gly  
 65 70 75 80  
 Glu Leu Asp Glu Tyr Val Gln Lys Tyr Leu Pro Gly Lys Ile Lys Val  
 85 90 95  
 Ile Arg Asn Thr Lys Arg Glu Gly Leu Ile Arg Gly Arg Met Ile Gly  
 100 105 110  
 Ala Ala His Ala Thr Gly Glu Val Leu Val  
 115 120

<210> 7571  
 <211> 249  
 <212> PRT  
 <213> Homo sapiens

<400> 7571  
 Met Gln Val Ala Asp Val Pro Glu Lys Pro Arg Val Pro Ala Phe Ala  
 1 5 10 15  
 Cys Gln Val Ala Gly Cys Cys Gln Val Phe Asp Ala Leu Asp Asp Tyr  
 20 25 30  
 Glu His His Tyr His Thr Leu His Gly Asn Val Cys Ser Phe Cys Lys  
 35 40 45  
 Arg Ala Phe Pro Ser Gly His Leu Leu Asp Ala His Ile Leu Glu Trp  
 50 55 60  
 His Asp Ser Leu Phe Gln Ile Leu Ser Xaa Arg Xaa Asp Met Tyr Xaa  
 65 70 75 80  
 Cys Leu Val

<210> 7572  
 <211> 198  
 <212> PRT

<213> Homo sapiens

<400> 7572

Met Asp Ala Thr Ile Ala Pro His Arg Ile Pro Pro Glu Met Pro Gln  
1 5 10 15  
Tyr Gly Glu Glu Asn His Ile Phe Glu Leu Met Gln Val Leu Thr Thr  
20 25 30  
Trp Val Ser Ala Leu His Pro Gln Xaa Met Leu Glu Gln Xaa Leu Ile  
35 40 45  
His Gln Xaa Xaa Asp Pro Ile Pro Phe Met Ile Gln His Leu His Arg  
50 55 60  
Asp Ser  
65

<210> 7573

<211> 195

<212> PRT

<213> Homo sapiens

<400> 7573

Met Ser Thr Gln Xaa Gly Leu Ser Met His Ala His Pro Gln Ala Tyr  
1 5 10 15  
Thr Pro Phe Ile Tyr Leu His Ala Arg Lys Arg Arg Gly Glu Ile Gly  
20 25 30  
Asp Ala Asp Ser Arg Phe Asn Asp Arg Tyr Ala His Lys Ser Ala Gln  
35 40 45  
Leu Xaa Phe Leu Tyr Phe Val Cys Cys Ile Phe Gln Asp Val Tyr Tyr  
50 55 60  
Xaa  
65

<210> 7574

<211> 177

<212> PRT

<213> Homo sapiens

<400> 7574

Met Ser Met Thr Pro Glu Gln Leu Gln Ala Trp Arg Trp Glu Arg Glu  
1 5 10 15  
Ile Asp Glu Arg Asn Arg Pro Leu Ser Asp Glu Glu Leu Asp Ala Met  
20 25 30  
Phe Pro Glu Gly Tyr Lys Val Leu Pro Pro Pro Ala Gly Tyr Val Pro  
35 40 45  
Ile Arg Thr Pro Ala Arg Lys Leu Thr Ala Thr  
50 55

<210> 7575

<211> 264

<212> PRT

<213> Homo sapiens

<400> 7575

Met Thr Ala Gly Glu Trp Xaa Xaa Val Leu Ser Lys Tyr Glu Asp Gln  
1 5 10 15



Ile Thr Ile Phe Thr Asp Tyr Leu Glu Glu Tyr Pro Asp Thr Asp Glu  
 20 25 30  
 Leu Val Trp Ile Leu Gly Lys Gln His Leu Leu Lys Thr Glu Lys Ser  
 35 40 45  
 Lys Leu Leu Ser Asp Ile Ser Ala Arg Leu Trp Phe Thr Tyr Arg Arg  
 50 55 60  
 Lys Phe Ser Pro Ile Gly Gly Thr Gly Pro Ser Ser Asp Ala Gly Trp  
 65 70 75 80  
 Gly Cys Met Leu Arg Cys Glu Gln  
 85

<210> 7576  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 7576  
 Met Ser Asp Pro Glu Met Gly Trp Val Pro Glu Pro Pro Thr Met Thr  
 1 5 10 15  
 Leu Gly Ala Ser Arg Val Glu Leu Arg Val Ser Cys His Gly Leu Leu  
 20 25 30  
 Asp Arg Asp Thr Leu Thr Lys Pro His Pro Cys Val Leu Leu Lys Leu  
 35 40 45  
 Tyr Ser Asp Glu Gln Trp Val Glu Val Glu Arg Thr Glu Val Leu Arg  
 50 55 60  
 Ser Cys Ser  
 65

<210> 7577  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7577  
 Met Gly Pro Ser Leu Leu Gln Asp Ala Arg Leu Trp Thr Ser Val Ser  
 1 5 10 15  
 Pro Ala Pro Gly Lys Trp Pro Leu Ala Glu Gln Val Ser Cys Pro Gly  
 20 25 30  
 Arg Ser Ser Pro Val Pro Ala Cys Gly Thr Pro Ala Pro Cys Ser Gly  
 35 40 45  
 Ser Cys Cys Thr Ser Ser Trp Arg Leu Arg Leu Leu Pro Thr  
 50 55 60

<210> 7578  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7578  
 Met Glu Thr Gln Ser Ser Asp Phe Pro Pro Ser Leu Thr Gln Pro Ala  
 1 5 10 15  
 Pro Asp Gln Ser Ser Thr Ile Gln Leu His Pro Ala Thr Ser Pro Ala  
 20 25 30  
 Val Ser Pro Thr Thr Ser Pro Ala Val Ser Leu Val Val Ser Pro Ala

35  
Ala Ser Pro Ala  
50

40

45

<210> 7579  
<211> 333  
<212> PRT  
<213> Homo sapiens

<400> 7579

Met Asn Thr Val Gly Pro Tyr His Asn Arg Gln Glu Thr Tyr Lys Tyr  
1 5 10 15  
Phe Ser Leu Pro Phe Cys Val Gly Ser Lys Lys Ser Ile Ser His Tyr  
20 25 30  
His Glu Thr Leu Gly Glu Ala Leu Gln Gly Val Glu Leu Glu Phe Ser  
35 40 45  
Gly Leu Asp Ile Lys Phe Lys Asp Asp Val Met Pro Ala Thr Tyr Cys  
50 55 60  
Glu Ile Asp Leu Asp Lys Glu Lys Arg Asp Ala Phe Val Tyr Ala Ile  
65 70 75 80  
Lys Asn His Tyr Trp Tyr Gln Met Tyr Ile Asp Asp Leu Pro Ile Trp  
85 90 95  
Gly Ile Val Gly Glu Ala Asp Glu Asn Gly Glu Asp Tyr Tyr Leu  
100 105 110

<210> 7580  
<211> 294  
<212> PRT  
<213> Homo sapiens

<400> 7580

Met Ala Ala Glu Val Leu Pro Ile Ala Arg Trp Gln Tyr Cys Gly Ala  
1 5 10 15  
Pro Asp Gly Ser Gln Arg Ala Val Leu Val Gln Phe Ser Asn Gly Lys  
20 25 30  
Leu Gln Ser Pro Gly Asn Met Arg Phe Thr Leu Tyr Glu Asn Lys Asp  
35 40 45  
Ser Thr Asn Pro Arg Lys Arg Asn Gln Arg Ile Leu Ala Ala Glu Thr  
50 55 60  
Asp Arg Leu Ser Tyr Val Gly Asn Asn Phe Gly Thr Gly Ala Leu Lys  
65 70 75 80  
Cys Asn Thr Leu Cys Arg His Phe Val Gly Ile Leu Asn Lys Thr Ser  
85 90 95  
Gly Leu

<210> 7581  
<211> 195  
<212> PRT  
<213> Homo sapiens

<400> 7581

Met Val Phe Leu His Tyr Leu Pro Glu Gln Leu Cys Leu Ser Met Leu  
1 5 10 15  
Gly Ser Trp Arg Gly His Pro Gly Gln Leu Thr Thr Leu Phe Ile Ser

20                      25                      30  
 Lys Ser Met Ile Lys Trp Gln Xaa Ala Lys Ser Ile Arg Cys Gln Cys  
                     35                      40                      45  
 Arg Lys Asp Pro Leu Asn Gly Val Pro Leu Cys Ile Trp Ala Ser Ser  
                     50                      55                      60  
 Val  
 65

<210> 7582  
 <211> 243  
 <212> PRT  
 <213> Homo sapiens

<400> 7582  
 Met His Leu Leu Asp Leu Glu Ser Met Gly Lys Ser Ser Asp Gly Lys  
 1                      5                      10                      15  
 Ser Tyr Val Ile Thr Gly Ser Trp Asn Pro Lys Ser Pro His Phe Gln  
                     20                      25                      30  
 Val Val Asn Glu Glu Thr Pro Lys Asp Lys Val Leu Phe Met Thr Thr  
                     35                      40                      45  
 Ala Val Asp Leu Val Ile Thr Glu Val Gln Glu Pro Val Arg Phe Leu  
                     50                      55                      60  
 Leu Glu Thr Lys Val Arg Val Cys Ser Pro Asn Glu Arg Leu Phe Trp  
 65                      70                      75                      80  
 Pro

<210> 7583  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens

<400> 7583  
 Met Asp Pro Leu Ile Ala Asn Asn Ser Gly Val Asn Lys Arg Gln Ile  
 1                      5                      10                      15  
 Thr Asp Leu Val Asp Gln Ser Ile Gln Ile Asn Ala His Cys Phe Val  
                     20                      25                      30  
 Val Thr Ala Asp Asn Arg Tyr Ile Leu Ile Cys Gly Phe Trp Asp Lys  
                     35                      40                      45  
 Ser Phe Arg Val Tyr Ser Thr Glu Thr Gly Lys Leu Thr Gln Ile Val  
                     50                      55                      60  
 Phe Gly His Trp Asp Val Val Thr Cys Leu Ala Arg Ser Glu Ser Tyr  
 65                      70                      75                      80

<210> 7584  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 7584  
 Met Ile Gln Ala Leu Ala Gly Phe Phe Thr Tyr Phe Val Ile Leu Ala  
 1                      5                      10                      15  
 Glu Asn Gly Phe Arg Pro Val Asp Leu Leu Gly Ile Arg Leu His Trp  
                     20                      25                      30  
 Glu Asp Lys Tyr Leu Asn Asp Leu Glu Asp Ser Tyr Gly Gln Gln Trp

35 40 45  
 Thr Tyr Glu Gln Arg Lys Val Val Glu Phe Thr Cys Gln Thr Ala Ser  
 50 55 60

<210> 7585  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7585  
 Met Thr Glu Thr Phe Lys Val Met Asp Cys Val Ser Ala Ser Ser Ser  
 1 5 10 15  
 Leu His Thr Ser Gln Cys Val Phe His Phe Ser Trp Leu Ala Gln Phe  
 20 25 30  
 Pro Thr Cys Ser Pro Lys Leu Phe Leu Ser Thr Pro Gln Gly Phe Pro  
 35 40 45  
 Pro Gln Thr Ala  
 50

<210> 7586  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 7586  
 Met Gly Ser Ala Lys Ser Val Pro Val Thr Pro Ala Arg Pro Pro Pro  
 1 5 10 15  
 His Asn Lys His Leu Ala Arg Val Ala Asp Pro Arg Ser Pro Ser Ala  
 20 25 30  
 Gly Ile Leu Arg Thr Pro Ile Gln Val Glu Ser Ser Pro Gln Pro Gly  
 35 40 45  
 Leu Pro Ala Gly Glu Gln Leu Glu Gly Leu Lys His Ala Gln Asp Ser  
 50 55 60  
 Asp  
 65

<210> 7587  
 <211> 204  
 <212> PRT  
 <213> Homo sapiens

<400> 7587  
 Met Ser Leu Gly Leu Glu Met Lys Tyr Arg Phe Pro Val His Arg Gln  
 1 5 10 15  
 Arg Ser Ala Val His Pro Met Asn Ser Tyr Arg Ser Glu Leu Asn Pro  
 20 25 30  
 Glu Leu Cys Leu Trp Arg Val Arg Tyr Ile Ser Lys Tyr Phe Phe Leu  
 35 40 45  
 Phe Ser His Phe Pro His His Tyr His His His Cys Arg His His His  
 50 55 60  
 Cys His His Pro  
 65

<210> 7588

<211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 7588

Met Pro Tyr Lys Glu Ala Ser His Cys Val Cys Ser Phe Leu Ala Phe  
 1 5 10 15  
 Asn Leu Pro Pro Arg Lys Asp Thr Val Asn Lys Val Pro Ser Trp Lys  
 20 25 30  
 Gln Thr Ala Ala Phe Thr Arg His Gln Thr Phe Trp His Leu Asp Leu  
 35 40 45  
 Ala Leu Ser Ser Leu Gln Asn Arg  
 50 55

<210> 7589

<211> 255

<212> PRT

<213> Homo sapiens

<400> 7589

Met Gly Gly Ala Gly Gly Ala Ala Pro Ala Pro Xaa Xaa Pro Ala Pro  
 1 5 10 15  
 Gly Ala Gly Leu Pro Ala Ala Leu Pro Arg Cys Val Thr His Gly Pro  
 20 25 30  
 Trp Leu Asn Val Gln Pro Gln Pro Gln Glu Glu Leu Lys Glu Glu Gln  
 35 40 45  
 Thr Ala Met Val Pro Pro Ala Ile Pro Leu Arg Arg Cys Arg Tyr Cys  
 50 55 60  
 Leu Val Leu Gln Pro Leu Arg Ala Arg His Cys Arg Glu Cys Arg Arg  
 65 70 75 80  
 Cys Val Arg Arg Tyr  
 85

<210> 7590

<211> 267

<212> PRT

<213> Homo sapiens

<400> 7590

Met Ala Asn Ser Gly Cys Lys Asp Val Thr Gly Pro Asp Glu Glu Ser  
 1 5 10 15  
 Phe Leu Tyr Phe Ala Tyr Gly Ser Asn Leu Leu Thr Glu Arg Ile His  
 20 25 30  
 Leu Arg Asn Pro Ser Ala Ala Phe Phe Cys Val Ala Arg Leu Gln Asp  
 35 40 45  
 Phe Xaa Leu Asp Phe Gly Asn Ser Gln Gly Lys Thr Ser Gln Thr Trp  
 50 55 60  
 His Gly Gly Ile Ala Thr Ile Phe Gln Ser Pro Gly Asp Glu Val Trp  
 65 70 75 80  
 Gly Val Val Trp Lys Met Asn Lys Ser  
 85

<210> 7591

<211> 279

<212> PRT  
<213> Homo sapiens

<400> 7591  
Met Thr Ala Lys Met Glu Thr Thr Phe Tyr Asp Asp Ala Leu Asn Ala  
1 5 10 15  
Ser Phe Leu Pro Ser Glu Ser Gly Pro Tyr Gly Tyr Ser Asn Pro Lys  
20 25 30  
Ile Leu Lys Gln Ser Met Thr Leu Asn Leu Ala Asp Pro Val Gly Ser  
35 40 45  
Leu Lys Pro His Leu Arg Ala Lys Asn Ser Asp Leu Leu Thr Ser Pro  
50 55 60  
Asp Val Gly Leu Leu Lys Leu Ala Ser Pro Glu Leu Glu Arg Leu Ile  
65 70 75 80  
Ile Gln Ser Ser Asn Gly His Ile Thr Thr Thr Pro Thr  
85 90

<210> 7592  
<211> 279  
<212> PRT  
<213> Homo sapiens

<400> 7592  
Met Glu Lys Leu Lys Gln Lys Leu His Thr Asp Asp Glu Leu Asn Trp  
1 5 10 15  
Leu Asp His Gly Arg Thr Leu Arg Glu Gln Gly Val Glu Glu His Glu  
20 25 30  
Thr Leu Leu Leu Arg Arg Lys Phe Phe Tyr Ser Asp Gln Asn Val Asp  
35 40 45  
Ser Arg Asp Pro Val Gln Leu Asn Leu Leu Tyr Val Gln Ala Arg Asp  
50 55 60  
Asp Ile Leu Asn Gly Ser His Pro Val Ser Phe Asp Lys Ala Cys Glu  
65 70 75 80  
Phe Ala Gly Phe Gln Cys Xaa Xaa Pro Val Trp Ala Pro  
85 90

<210> 7593  
<211> 231  
<212> PRT  
<213> Homo sapiens

<400> 7593  
Met Cys Arg Pro Gly Leu Val Thr Tyr Ser Gln Val Lys Pro Thr Leu  
1 5 10 15  
Gly Ala Pro Gly Arg Ala Thr Glu Leu Arg Pro Gln Lys Ser Ser Arg  
20 25 30  
Arg Ala Pro Leu Ala Leu Thr Phe Pro Trp Cys Glu Val Pro Glu Ile  
35 40 45  
Xaa Met Gln Glu Arg Asp Tyr Gly Pro Glu Ala Gln Leu His Leu Glu  
50 55 60  
Ala Leu Gly Val Pro Lys Pro Trp Ala Thr Ser Pro Ser  
65 70 75

<210> 7594

<211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 7594

```

Met Ser Thr Gln Asp Val Phe Ser Tyr Phe Lys Glu Tyr Pro Pro Ala
1           5           10           15
His Ile Glu Trp Leu Asp Asp Thr Ser Cys Asn Val Val Trp Leu Asp
          20           25           30
Glu Met Thr Ala Thr Arg Ala Leu Ile Asn Met Ser Ser Leu Pro Ala
          35           40           45
Gln Asp Lys Ile Arg Ser Arg Asp Ala Ser Glu Asp Lys Ser Ala Glu
          50           55           60
Lys Arg Lys Lys Asp Lys Gln
65           70
  
```

<210> 7595  
 <211> 348  
 <212> PRT  
 <213> Homo sapiens

<400> 7595

```

Met Glu Glu Glu Gly Gly Gly Arg Ser Cys Gly Thr Thr Arg Glu Leu
1           5           10           15
Gln Lys Leu Lys Gln Gln Ala Met Glu Tyr Tyr Arg Glu Asn Asp Val
          20           25           30
Pro Arg Xaa Leu Glu Arg Ala Ala Gln Leu His Leu Leu Pro Pro Ala
          35           40           45
Cys Arg Arg Leu Arg Ala Pro Gly Arg Lys Asp Thr Ile Thr Glu Lys
          50           55           60
Pro Ile Ala Pro Ala Glu Pro Val Glu Pro Val Leu Ser Gly Ser Met
65           70           75           80
Ala Ile Gly Ala Val Ser Leu Ala Val Ala Xaa Ala Cys Ala Met Leu
          85           90           95
Leu Asn Lys Xaa Leu Tyr Leu Asn Ile Ala Leu Leu Lys His Asn Gln
          100          105          110
Glu Gln Pro Thr
          115
  
```

<210> 7596  
 <211> 225  
 <212> PRT  
 <213> Homo sapiens

<400> 7596

```

Met Ala Ile Lys Ala Ala Asn Leu Met Thr Pro Gly Lys Lys Gln Lys
1           5           10           15
Lys Ser Leu Phe Leu Cys Lys Gly His Pro Arg Arg Ser Leu Pro Val
          20           25           30
Gln Gly Ala Leu Val Ala Ile Arg Arg Gly Thr Lys Gly Asn Ile Phe
          35           40           45
Ser Ser Gln Ala Phe Phe Ser Gly Cys Phe Ile Leu Phe Phe Phe Phe
          50           55           60
Ile Ser Pro Pro Pro Pro Ser Pro Ala Phe Phe
  
```

65

70

75

&lt;210&gt; 7597

&lt;211&gt; 297

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7597

Met Lys Ser Asp Leu Val Glu Tyr Phe Thr Leu Glu Met Leu His Leu  
 1 5 10 15  
 Gly Asn Asn Arg Ile Glu Val Leu Glu Gly Ser Phe Met Asn Leu  
 20 25 30  
 Thr Arg Leu Gln Lys Leu Tyr Leu Asn Gly Asn His Leu Thr Lys Leu  
 35 40 45  
 Ser Lys Gly Ile Val Leu Gly Leu His Asn Leu Glu Tyr Leu Tyr Leu  
 50 55 60  
 Glu Tyr Asn Ala Ile Xaa Glu Ile Leu Pro Gly Thr Phe Asn Pro Met  
 65 70 75 80  
 Pro Lys Leu Lys Val Leu Tyr Leu Asn Asn Asn Leu Leu Gln Val Leu  
 85 90 95  
 Pro Pro Leu

&lt;210&gt; 7598

&lt;211&gt; 210

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7598

Met Thr Val Thr His Ile Phe Thr Ser Asp Gly Leu His Ala Glu Val  
 1 5 10 15  
 Thr Gly Val Gly Tyr Asn Gln Phe Gly Glu Val Ile Val Asp Gly Asp  
 20 25 30  
 Val Val His Gly Phe Tyr Asn Pro Ala Val Ser Arg Ile Val Glu Ala  
 35 40 45  
 Gly Cys Val Cys Asn Asp Ala Val Ile Arg Asn Asn Thr Leu Met Gly  
 50 55 60  
 Lys Pro Thr Glu Gly Ala  
 65 70

&lt;210&gt; 7599

&lt;211&gt; 234

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7599

Met Ser Xaa Gly Phe Ile Gly Ala Gly Gln Leu Ala Phe Ala Leu Ala  
 1 5 10 15  
 Lys Gly Phe Thr Xaa Ala Gly Val Leu Ala Ala His Lys Ile Met Ala  
 20 25 30  
 Ser Ser Pro Asp Met Asp Leu Ala Thr Val Ser Ala Leu Arg Xaa Met  
 35 40 45  
 Gly Val Lys Xaa Thr Pro His Asn Lys Glu Thr Val Gln His Ser Asp  
 50 55 60  
 Val Leu Phe Leu Xaa Val Lys Pro His Ile Ile Pro Xaa Ile



65

70

75

&lt;210&gt; 7600

&lt;211&gt; 198

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7600

Met His Arg Lys Phe Val Val His Leu Phe Ala Glu Glu Trp Gly Gln  
 1 5 10 15  
 Tyr Val Asp Leu Pro Lys Gly Phe Ala Val Ser Glu Arg Cys Lys Val  
 20 25 30  
 Arg Leu Val Pro Leu Gln Ile Gln Leu Thr Thr Leu Gly Asn Leu Thr  
 35 40 45  
 Pro Ser Ser Thr Val Phe Phe Cys Cys Asp Met Gln Glu Arg Phe Arg  
 50 55 60  
 Pro Asp  
 65

&lt;210&gt; 7601

&lt;211&gt; 324

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7601

Met Ala Ala Ser Gln Val Leu Gly Glu Lys Ile Asn Ile Leu Ser Gly  
 1 5 10 15  
 Glu Thr Val Lys Ala Gly Asp Arg Asp Pro Leu Gly Asn Asp Cys Pro  
 20 25 30  
 Glu Gln Asp Arg Leu Pro Gln Arg Ser Trp Arg Gln Lys Cys Ala Ser  
 35 40 45  
 Tyr Val Leu Ala Leu Arg Pro Trp Ser Phe Ser Ala Ser Leu Thr Pro  
 50 55 60  
 Val Ala Leu Gly Ser Ala Leu Ala Tyr Arg Ser His Gly Val Leu Asp  
 65 70 75 80  
 Pro Arg Leu Leu Val Gly Cys Ala Val Ala Val Leu Ala Val His Val  
 85 90 95  
 Ala Gly Asn Leu Val Asn Thr Tyr Tyr Asp Phe Ser  
 100 105

&lt;210&gt; 7602

&lt;211&gt; 309

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7602

Met Glu Lys Leu Gln Leu Gly Pro Glu Ile Leu Gln Arg Glu Asn Pro  
 1 5 10 15  
 Arg Leu Ile Tyr Ala Arg Leu Ser Gly Phe Gly Gln Ser Gly Ser Phe  
 20 25 30  
 Cys Arg Leu Ala Gly His Asp Ile Asn Tyr Leu Ala Leu Ser Gly Val  
 35 40 45  
 Leu Ser Lys Ile Gly Arg Ser Gly Glu Asn Pro Tyr Ala Pro Leu Asn  
 50 55 60

Leu Leu Ala Asp Phe Ala Gly Gly Gly Leu Met Cys Ala Leu Gly Ile  
 65 70 75 80  
 Ile Met Ala Leu Phe Asp Arg Thr Arg Thr Gly Lys Gly Gln Val Ile  
 85 90 95  
 Asp Ala Asn Met Val Glu Gly  
 100

<210> 7603  
 <211> 414  
 <212> PRT  
 <213> Homo sapiens

<400> 7603  
 Met Ser Asp Asp Ala Gly Asp Thr Leu Ala Thr Gly Asp Lys Ala Glu  
 1 5 10 15  
 Val Thr Glu Met Pro Asn Ser Asp Ser Leu Pro Glu Asp Ala Glu Val  
 20 25 30  
 His Cys Asp Ser Ala Ala Val Ser His Glu Pro Thr Pro Ala Asp Pro  
 35 40 45  
 Arg Gly Glu Gly His Glu Asn Ala Ala Val Gln Gly Ala Gly Ala Ala  
 50 55 60  
 Ala Ile Gly Pro Pro Val Gln Pro Gln Asp Ala Asn Ala Leu Glu Pro  
 65 70 75 80  
 Pro Leu Asn Gly Asp Val Thr Glu Asp Thr Leu Ala Glu Cys Ile Asp  
 85 90 95  
 Ser Val Ser Leu Glu Ala Glu Pro Arg Ser Glu Ile Pro Leu Gln Glu  
 100 105 110  
 Gln Asn Tyr Leu Ala Val Asp Ser Pro Pro Ser Gly Gly Gly Trp Ala  
 115 120 125  
 Gly Trp Gly Ser Trp Gly Lys Ser Leu Leu  
 130 135

<210> 7604  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 7604  
 Met Phe His Glu Arg Ser Gln Thr Gln Thr Ala Ile Tyr Cys Met Ile  
 1 5 10 15  
 Ala Xaa Ile Arg Asn Val Gln Asn Arg His Ile Tyr Ile Glu Lys Arg  
 20 25 30  
 Gln Ile Ser Gly Cys Arg Arg Leu Gly Glu Gly Glu Trp Glu Val Thr  
 35 40 45  
 Thr Asn Arg Tyr Arg Lys  
 50

<210> 7605  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 7605  
 Met Gly Leu Val Ala Arg Xaa Thr Lys Xaa Leu Arg Gly Xaa Gly Leu

004220-000000

1                    5                    10                    15  
 Leu Ser His Pro Val Thr Ser Gly Lys Gly Thr Glu Ala Trp Arg Leu  
                   20                    25                    30  
 Ser Phe Trp Val Gly Glu His Ile Lys Leu Leu Gly Gly Trp His Ser  
                   35                    40                    45  
 Trp Thr Gly His Gly Ser Pro Thr Ala Leu Pro Ser Xaa Arg Pro Arg  
                   50                    55                    60  
 Ser  
 65

<210> 7606  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 7606  
 Met Glu Ser Arg Asp Pro Ala Gln Pro Met Ser Pro Gly Glu Ala Thr  
 1                    5                    10                    15  
 Gln Ser Gly Ala Arg Pro Ala Asp Arg Tyr Gly Leu Xaa Lys His Xaa  
                   20                    25                    30  
 Arg Glu Phe Leu Asp Phe Phe Trp Asp Ile Ala Asn Leu Ser Arg Arg  
                   35                    40                    45  
 Arg Asp Leu Arg Pro Arg Thr  
                   50                    55

<210> 7607  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 7607  
 Met Glu Pro Lys Ala Val Arg Thr Thr Thr Arg Tyr Ala Ile Arg Cys  
 1                    5                    10                    15  
 Gly Pro Lys Gln Phe Thr Ser Tyr Leu Thr Asp Met Ala Val Leu Val  
                   20                    25                    30  
 Leu Glu Val Ile Thr Lys Leu Asp Gly Leu Pro Ile Gly Arg Xaa Gln  
                   35                    40                    45  
 Ile Asn Gly Leu Ala Gln Leu Ser Pro Thr His Gln Ile Asn Gly Phe  
                   50                    55                    60  
 Phe  
 65

<210> 7608  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<400> 7608  
 Met Ala Ala Met Arg Trp Arg Trp Trp Gln Arg Leu Leu Pro Trp Arg  
 1                    5                    10                    15  
 Leu Leu Gln Ala Arg Gly Phe Pro Gln Asn Ser Ala Pro Ser Leu Gly  
                   20                    25                    30  
 Leu Arg Ala Arg Thr Tyr Ser Gln Gly Asp Cys Ser Tyr Ser Arg Thr  
                   35                    40                    45

Ala Leu Tyr Asp Leu Leu Gly Val Pro Ser Thr Ala Thr Gln Ala Gln  
 50 55 60  
 Ile Lys Ala Ala Tyr Tyr Arg Gln Cys  
 65 70

<210> 7609  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7609  
 Met Ser Asp Asn Gly Val Cys Val Leu Ala Phe Lys Cys Pro Gly Leu  
 1 5 10 15  
 Leu Arg Tyr Thr Ala Tyr Arg Cys Lys Gln Leu Ser Asp Thr Ser Ile  
 20 25 30  
 Ile Ala Val Ala Ser His Cys Pro Leu Leu Gln Lys Val His Val Gly  
 35 40 45  
 Asn Gln Xaa Lys Leu Thr Asp Glu Gly Leu Lys Gln Leu Gly  
 50 55 60

<210> 7610  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 7610  
 Met Ala Lys Gly Leu Arg Val Asn Leu Gly Glu Leu Val Glu Ser Met  
 1 5 10 15  
 Arg Leu Cys Phe Leu Ser Val His Phe Arg Leu Arg Trp Gly Asp Ser  
 20 25 30  
 Cys Pro Ser Ser Pro His Arg Glu Thr Phe Pro Ala Gly Pro Val Asn  
 35 40 45  
 Gly Pro Leu Tyr His Pro  
 50

<210> 7611  
 <211> 330  
 <212> PRT  
 <213> Homo sapiens

<400> 7611  
 Met Ala His Phe Ile Leu Phe Val Phe Thr Val Ser Thr Ile Phe His  
 1 5 10 15  
 Val Gln Gln Arg Leu Ala Lys Ile Gln Ala Met Trp Glu Leu Pro Val  
 20 25 30  
 Gln Ile Pro Val Leu Ala Ser Thr Ser Lys Ala Leu Gly Pro Ser Gln  
 35 40 45  
 Leu Arg Gly Met Trp Thr Ile Asn Ala Ile Gly Arg Leu Gly Asn Gln  
 50 55 60  
 Val Gly Glu Tyr Ala Thr Leu Tyr Ala Leu Ala Lys Met Asn Gly Arg  
 65 70 75 80  
 Pro Ala Phe Ile Xaa Xaa Gln Met His Ser Xaa Xaa Ala Pro Ile Phe  
 85 90 95  
 Arg Ile Thr Leu Pro Val Leu His Ser Ala Thr Ala Ser Arg

100

105

110

&lt;210&gt; 7612

&lt;211&gt; 312

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7612

Met	Met	Val	Cys	Phe	Thr	Tyr	Gln	Pro	Ile	Val	Ser	Gly	Ile	Gly	Gly
1			5						10					15	
Phe	Leu	Xaa	Xaa	Xaa	Asp	Phe	Lys	Asn	Glu	Ala	Ala	Asp	Pro	Ala	Gly
		20						25					30		
Ile	Gln	Leu	Thr	Arg	Glu	Met	Lys	Asp	Leu	Phe	Lys	Glu	Asn	Tyr	Lys
	35					40					45				
Thr	Leu	Leu	Lys	Glu	Ile	Arg	Glu	Asp	Thr	Ser	Lys	Trp	Lys	Asn	Ile
	50				55					60					
Pro	Cys	Ser	Trp	Ile	Gly	Arg	Ile	Ile	Ile	Met	Lys	Met	Ala	Ile	Leu
65				70				75						80	
Pro	Lys	Val	Xaa	Xaa	Arg	Phe	Asn	Ala	Ile	Pro	Ile	Lys	Leu	Pro	Phe
			85					90					95		
Thr	Phe	Phe	Thr	Glu	Leu	Xaa	Lys								
			100												

&lt;210&gt; 7613

&lt;211&gt; 222

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7613

Met	Arg	Leu	Trp	Ile	Pro	Glu	Glu	His	Cys	Xaa	Gly	Phe	Pro	Pro	Glu
1			5						10					15	
Ser	Ala	Thr	Cys	Cys	Asn	Leu	Arg	Gly	Ser	Arg	Thr	Ala	Ala	Gly	Xaa
		20						25					30		
Cys	Trp	Thr	Val	Pro	Val	His	Val	Pro	Gly	His	Gly	Ala	Gly	Glu	Pro
		35				40					45				
Ala	His	His	Pro	Ala	Met	Ser	Pro	Asp	Ser	His	Leu	His	Thr	Ser	Met
	50				55					60					
Tyr	Phe	Phe	Leu	Ser	Asn	Leu	Ser	Leu	Pro						
65					70										

&lt;210&gt; 7614

&lt;211&gt; 228

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7614

Met	Met	Xaa	Xaa	Xaa	Trp	Gly	Arg	Xaa	Asn	Leu	Gln	Ser	Val	Thr	Glu
1			5					10						15	
Gln	Ser	Ser	Leu	Asp	Asp	Phe	Leu	Ala	Thr	Ala	Glu	Leu	Ala	Gly	Thr
		20					25					30			
Glu	Phe	Val	Ala	Glu	Lys	Leu	Asn	Ile	Lys	Phe	Val	Pro	Xaa	Glu	Ala
	35				40					45					
Arg	Thr	Gly	Leu	Leu	Ser	Phe	Glu	Glu	Ser	Gln	Arg	Ile	Lys	Lys	Leu
	50				55					60					

His Glu Glu Asn Lys Gln Phe Leu Cys Ile Pro Arg  
65 70 75

<210> 7615  
<211> 171  
<212> PRT  
<213> Homo sapiens

<400> 7615  
Met Asp Tyr Leu Gln Val Gly Val Thr Ser Gln Lys Thr Met Lys Leu  
1 5 10 15  
Ile Pro Ala Ser Arg His Arg Ala Thr Gln Lys Val Val Ile Gly Asp  
20 25 30  
His Asp Gly Val Val Met Cys Xaa Gly Met Lys Lys Gly Glu Ala Ala  
35 40 45  
Ala Val Phe Lys Thr Leu Pro Arg Pro  
50 55

<210> 7616  
<211> 165  
<212> PRT  
<213> Homo sapiens

<400> 7616  
Met Ala Phe Pro Cys Arg Xaa Ser Leu Thr Ala Xaa Asp Ser Gly Leu  
1 5 10 15  
Pro Pro Gly Gly Arg Glu Xaa Leu Ser Thr Ala Ala Val Val Pro Pro  
20 25 30  
Gly Ala Lys Val Pro Ala Gly Gly Glu Val Pro Ala Gly Gly Asp Ala  
35 40 45  
Arg Gly Ser His Arg Arg Leu  
50 55

<210> 7617  
<211> 207  
<212> PRT  
<213> Homo sapiens

<400> 7617  
Met Pro His Trp Gly Lys Val His Ala Ser Pro Ile Cys Arg Gly Leu  
1 5 10 15  
Leu Ala Pro Ala Ala Arg His Lys Thr Ser Ile Leu Gly Ile Ala Xaa  
20 25 30  
Gln Gly Lys Ser Leu Ser Gln Glu Val Trp Lys Glu His Trp Ser Phe  
35 40 45  
Cys Ile Arg Asp Leu Gly Arg Ala Arg Xaa Ser Ala Gly Gln Xaa Leu  
50 55 60  
Leu Arg Gln Pro Leu  
65

<210> 7618  
<211> 168  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 7618

Met His Met Tyr Met Tyr Ile Gly Lys Pro His Met Tyr Ile Val Cys  
 1 5 10 15  
 Cys Thr Leu His Met Tyr Lys Glu Cys Leu Gln Ile Lys Glu Asn Leu  
 20 25 30  
 Ser Leu Phe Ile Asn Leu Arg Thr Val Ala Lys Gly Phe Lys Glu Phe  
 35 40 45  
 Ile Ser Thr Leu Phe Phe Leu Cys  
 50 55

&lt;210&gt; 7619

&lt;211&gt; 204

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7619

Met Ile Tyr Val Thr Asp Lys Gly Gln Lys Lys His Phe Gln Gln Val  
 1 5 10 15  
 Phe Gln Met Leu Lys Ile Met Gly Tyr Asp Trp Ala Glu Arg Cys Gln  
 20 25 30  
 His Val Pro Phe Gly Val Val Gln Gly Met Lys Thr Arg Arg Gly Asp  
 35 40 45  
 Val Thr Phe Leu Glu Asp Val Leu Asn Glu Ile Gln Leu Arg Met Xaa  
 50 55 60  
 Gln Asn Met Ala  
 65

&lt;210&gt; 7620

&lt;211&gt; 300

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7620

Met Cys Gly Arg Thr Ser Cys His Leu Pro Arg Asp Val Leu Thr Arg  
 1 5 10 15  
 Ala Cys Ala Tyr Gln Asp Arg Arg Gly Gln Gln Arg Leu Pro Glu Trp  
 20 25 30  
 Arg Asp Pro Asp Lys Tyr Cys Pro Ser Tyr Asn Lys Ser Pro Gln Ser  
 35 40 45  
 Asn Ser Pro Val Leu Leu Ser Arg Leu His Phe Glu Lys Asp Ala Asp  
 50 55 60  
 Ser Ser Glu Arg Ile Ile Ala Pro Met Arg Trp Gly Leu Val Pro Ser  
 65 70 75 80  
 Xaa Phe Lys Glu Ser Asp Pro Ser Lys Leu Gln Phe Asn Thr Xaa Asn  
 85 90 95  
 Cys Arg Ser Asp  
 100

&lt;210&gt; 7621

&lt;211&gt; 219

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

004230-000000

<400> 7621

Met Leu Met Ser His Leu Glu Glu Pro Lys Val Thr Glu Asp Glu Glu  
1 5 10 15  
Pro Pro Thr Glu Gln Asp Lys Arg Lys Xaa Met Leu Ala Leu Lys Asp  
20 25 30  
Pro Val His Thr Val Ser Leu Gln Phe Ile Xaa Glu Lys Xaa Lys  
35 40 45  
Ala Gln Gln Glu Met Leu Xaa Xaa Gln Gly Phe Gln Ser Leu Met Glu  
50 55 60  
Thr Val Asp Thr Glu Ile Val Thr Gln  
65 70

<210> 7622

<211> 327

<212> PRT

<213> Homo sapiens

<400> 7622

Met Gln Lys Ile Glu Glu Asn Arg Asp Cys Gln Leu Glu Lys Gln Ile  
1 5 10 15  
Lys Glu Glu Thr Leu Glu Gln Arg Asp Phe Thr Thr Lys Ser Glu Lys  
20 25 30  
Phe Gln Glu Glu Glu Phe Gln Asn Asp Ile Glu Lys Ala Ile Asp Thr  
35 40 45  
His Asn Gln Asn Asp Leu Thr Phe Arg Val Ser Xaa Arg Cys Ser Gly  
50 55 60  
Thr Ile Gly Lys Ala Phe Thr Ala Gln Val Cys Leu His Pro Lys Val  
65 70 75 80  
Glu Ser Val Ala Gln Ala Gly Met His Xaa His Asn Leu Ala His Cys  
85 90 95  
Asn Leu His Leu Pro Gly Ser Gly Asp Ser Phe Ala Ser  
100 105

<210> 7623

<211> 246

<212> PRT

<213> Homo sapiens

<400> 7623

Met Tyr Gln His Ile Ser Pro Asp Leu Ser Arg Arg Phe Pro Pro Arg  
1 5 10 15  
Ser Glu Val Thr Arg Leu Tyr Gly Ser Val Cys Asp Leu Arg Thr Asn  
20 25 30  
Lys Leu Pro Gly Ser Pro Gly Leu Ser Lys Ser Met Phe Asp Leu Thr  
35 40 45  
Asn Ser Ser Gln Arg Phe Ile Gln Arg His Asp Ser Leu Ser Ser Val  
50 55 60  
Pro Ser Ser Ser Ser Ser Arg Lys Xaa Xaa Gln Gly Ser Asn Arg Ser  
65 70 75 80  
Leu Asp

<210> 7624

<211> 384

<212> PRT



<213> Homo sapiens

<400> 7624

Met Ser Thr Gly Gln Leu Tyr Arg Met Glu Asp Ile Gly Arg Phe His  
1 5 10 15  
Ser Gln Gln Pro Gly Ser Leu Thr Pro Ser Ser Pro Thr Val Gly Glu  
20 25 30  
Ile Ile Tyr Asn Asn Thr Arg Asn Thr Leu Gly Trp Ile Gly Gly Ile  
35 40 45  
Leu Met Gly Ser Phe Gln Gly Thr Ile Ala Gly Gln Gly Thr Gly Ala  
50 55 60  
Thr Ser Ile Ser Glu Leu Cys Lys Gly Gln Glu Leu Glu Pro Ser Gly  
65 70 75 80  
Ala Gly Leu Thr Val Ala Pro Pro Gln Ala Val Ser Leu Gln Gly Ser  
85 90 95  
His Pro Ala Leu Ala Ala Thr Ala Phe Ser Leu Xaa Cys Pro Arg Gly  
100 105 110  
Val Gln Xaa Leu Met Ile Ser Ile Ser Glu His Leu Phe Ile His Ala  
115 120 125

<210> 7625

<211> 273

<212> PRT

<213> Homo sapiens

<400> 7625

Met Arg Asn Asn Met Thr Ala Ser Met Phe Asp Leu Ser Met Lys Asp  
1 5 10 15  
Lys Thr Arg Ser Pro Phe Ala Lys Leu Lys Asp Lys Met Lys Gly Arg  
20 25 30  
Lys Asn Asp Gly Thr Phe Ser Asp Thr Ser Ser Ala Ile Ile Pro Ser  
35 40 45  
Thr His Met Pro Asp Ala Asn Ser Glu Phe Ser Ser Gly Glu Ile Gln  
50 55 60  
Met Lys Ser Lys Pro Lys Lys Pro Phe Leu Leu Gly Pro Gln Arg Leu  
65 70 75 80  
Ser Ser Ala His Ser Met Ser Asp Leu Ser Gly  
85 90

<210> 7626

<211> 213

<212> PRT

<213> Homo sapiens

<400> 7626

Met Lys Asn Ile Tyr Glu Ser Leu Asp Glu Val Thr Ile Lys Asp Thr  
1 5 10 15  
Leu Glu Gly Asp Asn Met Tyr Thr Cys Ser His Cys Gly Lys Lys Val  
20 25 30  
Arg Ala Glu Lys Arg Ala Cys Phe Lys Lys Leu Pro Arg Ile Leu Ser  
35 40 45  
Phe Asn Thr Met Arg Tyr Thr Phe Asn Met Val Thr Met Met Lys Glu  
50 55 60  
Lys Val Asn Thr His Phe Ser

65

70

&lt;210&gt; 7627

&lt;211&gt; 207

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7627

Met Ala Leu Gln Thr His Gln Ile Gln Arg Gly Phe Cys Leu Gly Ser  
 1 5 10 15  
 Leu Ser Asn Val Asn Arg Asn Ala Thr Val Glu Met Thr Arg Arg His  
 20 25 30  
 Ile Gly Arg Gly Val Arg Leu Tyr Tyr Ile Gly Gly Glu Val Phe Ala  
 35 40 45  
 Glu Cys Leu Ser Asp Ser Ala Ile Phe Val Gln Ser Pro Asn Cys Asn  
 50 55 60  
 Gln Arg Tyr Gly Trp  
 65

&lt;210&gt; 7628

&lt;211&gt; 174

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7628

Met Arg Ala Pro Arg Asn Ser Ser Leu Leu Ser Tyr Ser Pro Ala Ser  
 1 5 10 15  
 Xaa Pro Gln Gln Tyr Lys Ser Gln Phe Phe Pro Lys Ser Arg Gln Lys  
 20 25 30  
 Ser Gln Thr Leu Ile Leu Ile Arg Val Val Ser Ser Val Leu Lys Lys  
 35 40 45  
 Ile Leu Glu Ala Lys Glu Tyr Ala His Arg  
 50 55

&lt;210&gt; 7629

&lt;211&gt; 195

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7629

Met Ser Asp Pro Gln Thr Ser Met Ala Ala Thr Ala Ala Val Ser Pro  
 1 5 10 15  
 Ser Asp Tyr Leu Xaa Pro Ala Ala Ser Thr Thr Gln Asp Ser Gln Pro  
 20 25 30  
 Ser Pro Leu Ala Leu Leu Ala Ala Thr Cys Ser Lys Ile Gly Pro Pro  
 35 40 45  
 Ala Val Glu Ala Ala Val Thr Pro Pro Ala Pro Pro Gln Pro Thr Pro  
 50 55 60  
 Arg  
 65

&lt;210&gt; 7630

&lt;211&gt; 159

&lt;212&gt; PRT

<213> Homo sapiens

<400> 7630

Met Ser Asp Pro Ile Thr Leu Asn Val Gly Gly Lys Leu Tyr Thr Thr  
1 5 10 15  
Ser Leu Ala Thr Leu Thr Ser Phe Pro Asp Ser Met Leu Gly Ala Met  
20 25 30  
Phe Ser Gly Lys Met Pro Thr Lys Arg Asp Ser Gln Gly Asn Cys Phe  
35 40 45  
Ile Xaa Arg Asp Gly  
50

<210> 7631

<211> 264

<212> PRT

<213> Homo sapiens

<400> 7631

Met Asn Asp Lys Ser His Cys Lys Leu Phe Thr Asp Gly Asp Ala Ala  
1 5 10 15  
Leu Glu Phe Ala Asp Phe Tyr Asp Phe Arg Ser Ser Tyr Pro Asp His  
20 25 30  
Lys Glu Gly Glu Asp Pro Asn Lys Ala Glu Glu Leu Pro Ser Glu Lys  
35 40 45  
Asn Leu Glu Tyr Asp Asp Glu Thr Met Glu Leu Ile Leu Pro Ser Gly  
50 55 60  
Ala Arg Val Gly His Xaa Ser Leu Met Arg Tyr Tyr Lys Gln Arg Phe  
65 70 75 80  
Gly Leu Ser Arg Ala Val Ala Val  
85

<210> 7632

<211> 228

<212> PRT

<213> Homo sapiens

<400> 7632

Met Asn Gly Ser Arg Thr Leu Thr His Ser Ile Ser Asp Gly Gln Leu  
1 5 10 15  
Gln Gly Gly Gln Ser Asn Ser Glu Leu Phe Gln Gln Glu Xaa Gln Thr  
20 25 30  
Ala Pro Ala Gln Val Pro Gln Gly Phe Asn Val Phe Gly Met Ser Ser  
35 40 45  
Ser Ser Gly Ala Ser Asn Ser Ala Pro His Leu Gly Phe His Leu Gly  
50 55 60  
Ser Lys Gly Thr Ser Ser Leu Ser Gln Gln Thr Pro  
65 70 75

<210> 7633

<211> 210

<212> PRT

<213> Homo sapiens

<400> 7633

004220" 55555555

Met Ala Ala Leu Gly Ala Gly Glu Met Glu Tyr Arg Phe Met Leu Lys  
 1 5 10 15  
 Gln Gly Glu Arg Arg Glu Glu Gln Ser Ala Tyr Asp Glu Lys Ala Ser  
 20 25 30  
 Thr Ile Gln Gln Lys Phe Tyr Trp Pro Asn Trp Lys Gln Glu Ser Arg  
 35 40 45  
 Gly Asp Gln Glu Gly Leu Asp Asn Val Val Gly Trp Lys Ala Glu Asn  
 50 55 60  
 Thr Asn Gln Leu Lys Arg  
 65 70

<210> 7634  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 7634  
 Met Cys Ser Xaa Ala Pro Gly Thr Met Gly Leu Trp Pro Ala Cys Cys  
 1 5 10 15  
 Arg Val Ala Leu Pro Gly Gln Ser Pro Gly Thr Glu Gln Ala Ile Cys  
 20 25 30  
 Gly Gln Ala Glu Arg Met Thr Gly Ser Leu Thr Ser Val His Gly Thr  
 35 40 45  
 Arg Ser Phe Gly Ala Ser Arg Gly Cys Cys Trp Pro Gly Leu Glu Gly  
 50 55 60  
 Lys Val Thr Ile Arg Leu Ser Ser Cys Leu Ser Ile Ser Ala Ser  
 65 70 75

<210> 7635  
 <211> 306  
 <212> PRT  
 <213> Homo sapiens

<400> 7635  
 Met Ser Val Thr Leu His Thr Asp Val Gly Asp Ile Lys Ile Glu Val  
 1 5 10 15  
 Phe Cys Glu Arg Thr Pro Lys Thr Cys Glu Asn Phe Leu Ala Leu Cys  
 20 25 30  
 Ala Ser Asn Tyr Tyr Asn Gly Cys Ile Phe His Arg Asn Ile Lys Gly  
 35 40 45  
 Phe Met Val Gln Thr Gly Asp Pro Thr Gly Thr Gly Arg Gly Gly Asn  
 50 55 60  
 Ser Ile Trp Gly Lys Lys Phe Glu Asp Glu Tyr Ser Glu Tyr Leu Lys  
 65 70 75 80  
 His Asn Val Arg Gly Val Val Ser Met Ala Asn Asn Gly Arg Thr Pro  
 85 90 95  
 Met Asp Leu Ser Ser Ser  
 100

<210> 7636  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

004220.665E7560

<400> 7636

Met Gln Asp Leu Arg Met Leu Met Pro His Ser Lys Ala Asp Thr Lys  
1 5 10 15  
Met Asp Arg Lys Asp Lys Leu Phe Val Ile Asn Glu Val Cys Glu Met  
20 25 30  
Lys Asn Cys Asn Lys Cys Ile Tyr Phe Glu Ala Lys Lys Lys Gln Asp  
35 40 45  
Leu Tyr Met Trp Leu Ser Asn Ser Pro His Gly Pro Ser Ala Lys Phe  
50 55 60  
Leu Val Gln Asn Ile His Thr Leu Ala  
65 70

<210> 7637

<211> 189

<212> PRT

<213> Homo sapiens

<400> 7637

Met Met Asp Phe Leu Gln Thr Ile Phe Tyr Tyr Tyr Tyr Thr Leu Ser  
1 5 10 15  
Ser Arg Val His Val Gln Asn Met Gln Val Cys Tyr Ile Gly Ile His  
20 25 30  
Val Pro Trp Trp Phe Ala Ala Pro Ile Asn Pro Ser Ser Thr Leu Gly  
35 40 45  
Ile Thr Pro Asn Phe Pro Leu Leu Pro Asn Pro Leu Thr Gly Pro  
50 55 60

<210> 7638

<211> 279

<212> PRT

<213> Homo sapiens

<400> 7638

Met Leu Ser Thr Asn Ile Leu Leu Val Asn Leu Leu Val Ala Met Phe  
1 5 10 15  
Gly Tyr Thr Val Gly Thr Val Gln Glu Asn Asn Asp Gln Val Trp Lys  
20 25 30  
Phe Gln Arg Tyr Phe Leu Val Gln Glu Tyr Cys Ser Arg Leu Asn Ile  
35 40 45  
Pro Phe Pro Phe Ile Val Phe Ala Tyr Phe Tyr Met Val Val Lys Lys  
50 55 60  
Cys Phe Lys Cys Cys Cys Lys Glu Lys Asn Met Glu Ser Ser Val Cys  
65 70 75 80  
Cys Phe Lys Asn Glu Asp Asn Glu Thr Leu Ala Trp Glu  
85 90

<210> 7639

<211> 309

<212> PRT

<213> Homo sapiens

<400> 7639

Met Asp Asp Ser Gly Glu Leu Gly Gly Leu Glu Thr Met Xaa Thr Leu  
1 5 10 15

Thr Glu Leu Gly Asp Glu Leu Thr Leu Gly Asp Ile Asp Glu Met Leu  
 20 25 30  
 Gln Phe Val Ser Asn Gln Val Gly Glu Phe Pro Asp Leu Phe Ser Glu  
 35 40 45  
 Gln Leu Cys Ser Ser Phe Pro Gly Ser Gly Gly Ser Gly Ser Ser Ser  
 50 55 60  
 Gly Ser Ser Gly Ser Ser Ser Ser Ser Asn Gly Arg Gly Ser Ser  
 65 70 75 80  
 Ser Gly Leu Trp Thr Leu Gln Cys Asn Gly His Ser Pro Arg Ser His  
 85 90 95  
 Tyr Leu Pro Ser Leu Pro Gln  
 100

<210> 7640  
 <211> 258  
 <212> PRT  
 <213> Homo sapiens

<400> 7640  
 Met Ala Ile Arg Ala Lys Arg Leu Glu Glu Ser Arg Ala Ala Xaa Leu  
 1 5 10 15  
 Arg Glu Leu Gln Glu Lys Gln Ala Leu Met Glu Gln Gln Arg Arg Glu  
 20 25 30  
 Xaa Arg Ala Leu Gln Glu Trp Arg Glu Arg Ala Gln Arg Met Arg Lys  
 35 40 45  
 Arg Lys Glu Glu Leu Ser Lys Leu Leu Pro Pro Arg Arg Ser Met Val  
 50 55 60  
 Ala Ser Lys Ile Pro Ser Ala Thr Xaa Xaa Ile Asp Asn Arg Lys Val  
 65 70 75 80  
 Pro Leu Asn Pro Pro Gly  
 85

<210> 7641  
 <211> 267  
 <212> PRT  
 <213> Homo sapiens

<400> 7641  
 Met Arg Tyr His Cys Ile Leu Pro Arg Met Ala Val Met Asn Arg Ile  
 1 5 10 15  
 Ser His Met Val Thr Arg Met Glu Asp His Leu Glu Leu Ser Tyr Thr  
 20 25 30  
 Asp Asp Arg Asn Val Lys Trp Ile Asn Tyr Phe Gly Arg Gln Leu Gly  
 35 40 45  
 Ser Phe Phe Gln Ser Lys Cys Glu Asp Ala Ile Arg Phe Ile His Ser  
 50 55 60  
 Ile Ser Xaa Tyr Ser Arg Xaa Met Lys Leu Tyr Ile His Lys Arg Asp  
 65 70 75 80  
 Leu Tyr Thr Xaa Ile His Ser Ser Tyr  
 85

<210> 7642  
 <211> 318  
 <212> PRT

<213> Homo sapiens

<400> 7642

Met Leu Glu Thr Ala Ser Lys Leu Leu Leu Ser Gly Thr Ala Asp Gly  
1 5 10 15  
Ala Asp Leu Arg Thr Val Asp Pro Glu Thr Gln Ala Arg Leu Glu Ala  
20 25 30  
Leu Leu Glu Ala Ala Gly Ile Gly Lys Leu Ser Thr Ala Asp Gly Lys  
35 40 45  
Ala Phe Ala Asp Pro Glu Val Leu Arg Arg Leu Thr Ser Ser Val Ser  
50 55 60  
Cys Ala Leu Asp Glu Ala Ala Ala Leu Thr Arg Met Arg Ala Glu  
65 70 75 80  
Ser Thr Ala Asn Ala Gly Gln Ser Asp Asn Arg Ser Leu Ala Glu Ala  
85 90 95  
Cys Ser Glu Gly Asp Val Asn Ala Val Arg  
100 105

<210> 7643

<211> 186

<212> PRT

<213> Homo sapiens

<400> 7643

Met Val Ser Pro Lys Asp Leu Pro Leu Val Leu Leu Gln Asp Ile Lys  
1 5 10 15  
Val Pro Ser Ser Met Thr Gly Ser His Ala Gly Asn Pro His Ile Glu  
20 25 30  
Arg Asn Asp Leu Pro Arg His Gly Ser Pro Gln Phe Phe Thr Gly Xaa  
35 40 45  
Thr Cys Ala Ser Xaa Asn Pro Ser Gln Cys Leu Ala Ala Phe  
50 55 60

<210> 7644

<211> 159

<212> PRT

<213> Homo sapiens

<400> 7644

Met Gly Arg Leu Trp Asp Ala Pro Pro Phe Arg Asp His Pro Pro Pro  
1 5 10 15  
Arg Pro Ser Arg Thr Gly Ser Arg Leu Gly Glu Val Leu Ala Val Tyr  
20 25 30  
Ala Pro Lys Ser Thr Trp Ala Trp Arg Arg Thr Gly Val Gln Lys Lys  
35 40 45  
Ile Ser Arg Asp Pro  
50

<210> 7645

<211> 210

<212> PRT

<213> Homo sapiens

<400> 7645

004220-556E7560

Met Arg Tyr His Leu Thr Pro Val Arg Met Ala Ile Ile Lys Lys Ser  
 1 5 10 15  
 Xaa Asn Asn Arg Cys Trp Arg Gly Cys Gly Xaa Ile Gly Thr Leu Leu  
 20 25 30  
 His Cys Trp Trp Asp Cys Lys Leu Val Gln Pro Leu Trp Lys Ser Val  
 35 40 45  
 Trp Arg Phe Leu Arg Asp Leu Glu Leu Glu Ile Pro Phe Asp Pro Ala  
 50 55 60  
 Ile Pro Leu Leu Gly Ile  
 65 70

<210> 7646  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 7646  
 Met Asp Gly Phe Gln Arg His Phe Asp Ser Gln Val Ile Ile Tyr Gly  
 1 5 10 15  
 Lys Gln Val Ile Ile Asn Leu Ile Asn Gln Lys Gly Ser Glu Lys Pro  
 20 25 30  
 Leu Glu Gln Thr Phe Ala Thr Met Val Ser Ser Leu Gly Ser Gly Met  
 35 40 45  
 Met Arg Tyr Ile Ala Phe Asp  
 50 55

<210> 7647  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 7647  
 Met Met Ala Ala Leu Pro Glu Asp Thr Val Val Phe Glu Lys Pro Val  
 1 5 10 15  
 Lys Thr Ile His Trp Asn Gly Ser Phe Gln Glu Ala Ala Phe Pro Gly  
 20 25 30  
 Glu Thr Phe Pro Val Ser Val Glu Cys Glu Asp Gly Asp Arg Phe Pro  
 35 40 45  
 Ala His His Val Ile Val  
 50

<210> 7648  
 <211> 267  
 <212> PRT  
 <213> Homo sapiens

<400> 7648  
 Met His Pro Cys Asp Xaa Thr Tyr Cys Gly Pro Phe Pro Glu Ser Glu  
 1 5 10 15  
 Pro Glu Val Lys Ala Val Ala Asn Phe Leu Arg Lys His Arg Lys His  
 20 25 30  
 Ile Arg Ala Tyr Leu Ser Phe His Ala Tyr Ala Gln Met Leu Leu Tyr  
 35 40 45  
 Pro Tyr Ser Tyr Lys Tyr Ala Thr Ile Pro Asn Phe Arg Cys Val Glu



50 55 60  
 Ser Ala Xaa Tyr Lys Ala Val Asp Ala Leu Gln Ser Val Tyr Gly Val  
 65 70 75 80  
 Arg Tyr Arg Tyr Gly Pro Ala Ser Thr  
 85

<210> 7649  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens

<400> 7649  
 Met Arg Gln His Arg Gln Phe Met Asp Arg Thr His Tyr Leu Leu Thr  
 1 5 10 15  
 Phe Ser Ser Ser Glu Xaa Leu Ala Xaa Gly Tyr Cys Tyr Gly His Gly  
 20 25 30  
 Ser Gln Pro Glu Gln Arg Ser Arg Thr Ser Leu Phe Gln Thr Ile Ile  
 35 40 45  
 Val Pro Leu Ile Pro Ser Ile Val Asp Arg Ala Pro Lys Gly Arg Thr  
 50 55 60  
 Phe Gly Asp Val Leu Gln Pro Ala Lys Pro Glu Tyr Arg Val Gly Glu  
 65 70 75 80

<210> 7650  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7650  
 Met Val Pro Thr Met Arg Val Val Val Met Ile Lys Gln Asp Lys Ala  
 1 5 10 15  
 Cys Lys Xaa Leu Xaa Xaa Arg Xaa Leu Gln Lys Val Arg Lys Thr Trp  
 20 25 30  
 Phe Gln Leu Gly Val Met Ala Arg Val Cys Gly Leu Thr Leu Trp Glu  
 35 40 45  
 Ala Gly Ala Gly  
 50

<210> 7651  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 7651  
 Met Pro Arg Arg Gly Leu Val Ala Gly Pro Asp Leu Glu Tyr Phe Gln  
 1 5 10 15  
 Xaa Arg Xaa Phe Thr Pro Ala Glu Val Ala Gln His Asn Arg Pro Glu  
 20 25 30  
 Asp Leu Trp Val Ser Tyr Leu Gly Arg Val Tyr Asp Leu Thr Ser Leu  
 35 40 45  
 Ala Gln Glu Tyr Lys Gly Asn Leu Leu Leu Lys Pro Ile Val Glu Val  
 50 55 60  
 Ala Gly Gln Asp Ile Ser His Trp Phe Asp Pro Lys Thr Arg Val  
 65 70 75

<210> 7652  
 <211> 222  
 <212> PRT  
 <213> Homo sapiens

<400> 7652  
 Met Ala Asp Lys Thr Pro Gly Gly Ser Gln Lys Ala Ser Ser Lys Thr  
 1 5 10 15  
 Arg Ser Ser Asp Val His Ser Ser Gly Ser Ser Asp Ala His Met Asp  
 20 25 30  
 Ala Ser Gly Pro Ser Asp Ser Asp Met Pro Ser Arg Thr Arg Pro Lys  
 35 40 45  
 Ser Pro Arg Lys His Asn Tyr Arg Asn Glu Ser Ala Arg Glu Ser Leu  
 50 55 60  
 Cys Asp Ser Pro His Gln Asn Leu Ser Arg  
 65 70

<210> 7653  
 <211> 309  
 <212> PRT  
 <213> Homo sapiens

<400> 7653  
 Met Asn Pro Asp Leu Arg Arg Glu Arg Asp Ser Ala Ser Phe Asn Pro  
 1 5 10 15  
 Glu Leu Leu Thr His Ile Leu Asp Gly Ser Pro Glu Lys Thr Arg Arg  
 20 25 30  
 Arg Arg Glu Ile Glu Asn Met Ile Leu Asn Asp Pro Asp Phe Gln His  
 35 40 45  
 Glu Asp Leu Asn Phe Leu Thr Arg Ser Gln Arg Tyr Glu Val Ala Val  
 50 55 60  
 Arg Lys Ser Ala Ile Met Val Lys Lys Met Arg Glu Phe Gly Ile Ala  
 65 70 75 80  
 Asp Pro Tyr Glu Ile Met Trp Phe Lys Asn Phe Val His Arg Gly Arg  
 85 90 95  
 Pro Glu Pro Leu Asp Leu His  
 100

<210> 7654  
 <211> 255  
 <212> PRT  
 <213> Homo sapiens

<400> 7654  
 Met Ser His Phe Leu Ala Leu Asp Phe Ile Leu Leu Leu Phe Tyr Leu  
 1 5 10 15  
 Lys Thr Arg Ile Arg Ile Pro His Leu Ala Val Arg Pro Leu Tyr Tyr  
 20 25 30  
 Gln Leu Ser Phe Leu Ala Ser Phe Ser Phe Pro Thr Pro Arg Ser Pro  
 35 40 45  
 Ser Thr Ser Val Ser Leu Glu Trp Asn Glu Gln Glu Leu Trp Leu Ser  
 50 55 60  
 Ile Gly Asn Leu Tyr Lys Leu Val Pro His Ala Ser Pro Cys Pro Cys

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Gln Ile Glu Leu Gly Gly Leu Phe Leu Gln Pro Leu Gly Ser Ser His  
 85 90 95  
 Ser

<210> 7658  
 <211> 222  
 <212> PRT  
 <213> Homo sapiens

<400> 7658  
 Met Cys Leu Thr Val Leu Leu His Lys Cys Trp Ser Lys Val Gly Val  
 1 5 10 15  
 Phe Pro Asp Ser Arg Tyr Pro Met Thr Thr Val Asp Tyr Glu Arg Ala  
 20 25 30  
 Val Gln Val Arg Ala Lys Xaa Glu Thr His Thr Cys Lys Pro Gln Lys  
 35 40 45  
 Lys Lys Asp Ser Gln Lys Ser Ser Ile Leu Ser Trp Arg Leu Phe Ser  
 50 55 60  
 Pro Phe His Trp Ser His Glu Lys Ala Leu  
 65 70

<210> 7659  
 <211> 243  
 <212> PRT  
 <213> Homo sapiens

<400> 7659  
 Met Ala Gly Xaa Gly Gly Xaa Arg Asp Arg Xaa Xaa Thr Asp Leu Gly  
 1 5 10 15  
 His Leu Pro Asp Pro Thr Gly Ile Phe Ser Leu Asp Lys Thr Ile Gly  
 20 25 30  
 Leu Gly Thr Tyr Gly Arg Ile Tyr Leu Gly Leu His Glu Lys Thr Gly  
 35 40 45  
 Ala Phe Thr Ala Val Lys Val Met Asn Ala Arg Lys Thr Pro Leu Pro  
 50 55 60  
 Glu Ile Xaa Arg Arg Val Arg Val Asn Lys Tyr Gln Lys Ser Val Gly  
 65 70 75 80  
 Cys

<210> 7660  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens

<400> 7660  
 Met Xaa Leu Phe Ile Arg Xaa Lys Arg Ser Ser Ala Ser Val Asp Asn  
 1 5 10 15  
 Thr Pro Ala Gly Ser Pro Gln Gly Ser Gly Gly Glu Asp Glu Asp Asp  
 20 25 30  
 Pro Asp Glu Gly Asp Asp Asp Ser Leu Ser Glu Gly Ser Thr Ser Glu  
 35 40 45  
 Gln Gln Asp Glu Leu Gln Glu Ser Glu Met Ser Glu Lys Lys Ser  
 50 55 60  
 Cys Ser Ser Ser Pro Thr Gln Ser Glu Ile Ser Thr Ser Leu Pro Gln

# Project 02

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<400> 7661
Met Ile Lys Lys Phe Asp Lys Lys Asp Glu Glu Ser Gly Ser Gly Ser
1          5          10          15
Asn Pro Phe Gln His Leu Glu Lys Ser Ala Val Leu Gln Glu Ala Arg
          20          25          30
Ile Phe Asn Glu Thr Pro Ile Asn Pro Arg Arg Cys Leu His Ile Leu
          35          40          45
Thr Lys Ile Leu Tyr Leu Leu Asn Gln Gly Asn
          50          55

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<400> 7662
Met Lys Ile Gln Glu Glu Leu Gln Arg Ser Gly Gly Leu Asp Xaa Leu
1                    5                10                15
Val Leu Ser Pro Xaa Glu Trp Pro Val Xaa Xaa Asn Thr Ile Met His
                20                25                30
Ile Ala Thr Ala Glu Ala Leu Thr Asp Tyr Trp Cys Leu Asp Asp
                35                40                45
Leu Tyr Arg
                50

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<400> 7663
Met Ala Ser Asp Cys Arg Val Phe Leu Gly Lys Lys Asp His Leu Ser
1          5          10          15
Met Ser Thr Arg Ala Ile Arg Pro Thr Glu Glu Gly Gly Leu His Val
          20          25          30
His Met Glu Phe Pro Gly Xaa Asp Gly Cys Asn Gln Val Asp Ala Glu
          35          40          45
Tyr Leu Lys Val Gly Xaa Glu Gly His Phe Arg Val Pro Ala Leu Gly
          50          55          60
Tyr Leu Asp Val Arg Ile Val Asp Thr Asp
65          70

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3901

<400> 7664

Met Asp Met Asp His Ile Met Thr Trp Ala Thr Asp Val Ala Lys Gly  
 1 5 10 15  
 Met His Tyr Leu His Met Glu Ala Pro Val Lys Val Ile His Arg Asp  
 20 25 30  
 Leu Lys Ser Arg Asn Val Val Ile Ala Ala Asp Gly Val Leu Lys Ile  
 35 40 45  
 Cys Asp Phe Gly Ala Ser Arg Phe His Asn His Thr Thr His Met Ser  
 50 55 60  
 Leu Val Gly Thr Phe Pro Trp Met Ala Pro Glu Val Ile Gln Ser Leu  
 65 70 75 80  
 Pro Val Ser Glu Thr Cys Asp Thr Tyr Ser Tyr Gly Val Val Leu Trp  
 85 90 95  
 Glu Met Leu Thr Arg Glu Val Pro Phe Lys Gly Leu Glu Gly Leu Gln  
 100 105 110  
 Val Ala Trp Leu Val Val Xaa Lys Asn Glu Arg Leu Thr Ile Pro Ser  
 115 120 125  
 Ser Cys Xaa Arg Ser Phe Ala Glu Leu Leu His Gln Cys  
 130 135 140

<210> 7665

<211> 249

<212> PRT

<213> Homo sapiens

<400> 7665

Met Asp Ile Asn Thr Ala Gly Ile Asp Met Pro Met Phe Ser Ala Leu  
 1 5 10 15  
 Leu His Tyr Leu Tyr Thr Gly Glu Phe Gly Met Glu Asp Ser Arg Phe  
 20 25 30  
 Gln Asn Val Asp Ile Leu Val Gln Leu Ser Glu Glu Phe Gly Thr Pro  
 35 40 45  
 Asn Ser Leu Asp Val Asp Met Arg Gly Leu Phe Xaa Tyr Met Cys Tyr  
 50 55 60  
 Xaa Xaa Ser Xaa Leu Val Xaa Leu Gln Thr Leu Asn Trp Leu Lys Leu  
 65 70 75 80  
 Leu Val Glu

<210> 7666

<211> 180

<212> PRT

<213> Homo sapiens

<400> 7666

Met Val Arg Thr Asp Gly His Thr Leu Ser Glu Lys Arg Asn Tyr Gln  
 1 5 10 15  
 Val Thr Asn Ser Met Phe Gly Ala Ser Arg Lys Lys Phe Val Glu Gly  
 20 25 30  
 Val Asp Ser Asp Tyr His Asp Glu Asn Met Tyr Tyr Ser Gln Ser Ser  
 35 40 45  
 Met Xaa Pro His Xaa Xaa Glu Lys Asp Met Leu Ala  
 50 55 60

<210> 7667

<211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 7667  
 Met Ser Thr Phe Asp Asn Ile His Ile Tyr Ile His Thr Tyr Thr His  
 1 5 10 15  
 Ile Tyr Val Tyr Val Cys His Asn Trp Val Ile Ile Ser Leu His Ile  
 20 25 30  
 Ser Leu His Ile Cys Tyr Asn Phe Tyr Cys His Met Ile Leu Ile Thr  
 35 40 45  
 Ser Tyr Glu Ile Cys Asp Thr Asp Leu Ser Val Leu Ile Tyr Asn His  
 50 55 60  
 Gln  
 65

<210> 7668  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 7668  
 Met Lys Asn Lys Ala Lys Thr Arg Val Leu Gly His Ser Ser Ala Gln  
 1 5 10 15  
 Arg Val Pro Gly Asp Gly Arg Pro Leu Ser Pro His Pro Leu Thr Leu  
 20 25 30  
 Glu Asn Trp Val Phe Ser Gln Tyr Ser Ser Asn Ser Phe Leu Lys Ala  
 35 40 45  
 Val Glu Pro Leu Tyr Ser Lys Val His Cys Arg Cys Ser Asn Ser Pro  
 50 55 60  
 Phe Leu Phe Pro Leu Pro Pro  
 65 70

<210> 7669  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 7669  
 Met Asp Cys Ala Ser Ile Ser Val Lys Phe Thr Ser Met Ala Thr Met  
 1 5 10 15  
 His Asp Leu Ser Gln Phe Trp Ala Ser Arg Gly Glu Val Thr Asn Trp  
 20 25 30  
 Trp Pro Val Gly Gln Thr Ser Leu Pro Leu Phe Tyr Leu Ala Phe Met  
 35 40 45  
 Val Phe Gly Ser Phe Phe Pro Leu Ile Ser Cys Gln Pro  
 50 55 60

<210> 7670  
 <211> 306  
 <212> PRT  
 <213> Homo sapiens

<400> 7670

Met Lys Ser Asn Glu Ala Ala Ser Lys Glu Leu Ala Ser Lys Lys Ser  
 1 5 10 15  
 Leu Pro Met Asn Tyr Tyr Thr Val Phe Tyr His Val Gln Glu Gln Leu  
 20 25 30  
 Pro Arg Asp Cys Phe Val Val Ser Glu Gly Ala Asn Thr Met Asp Ile  
 35 40 45  
 Gly Arg Thr Val Leu Gln Asn Tyr Leu Pro Arg His Arg Leu Asp Ala  
 50 55 60  
 Gly Thr Phe Gly Thr Met Gly Val Gly Leu Gly Phe Ala Ile Ala Ala  
 65 70 75 80  
 Ala Val Val Ala Lys Asp Arg Ser Pro Gly Gln Trp Ile Ile Cys Val  
 85 90 95  
 Glu Gly Asp Ser Ala Phe  
 100

<210> 7671  
 <211> 330  
 <212> PRT  
 <213> Homo sapiens

<400> 7671  
 Met Arg Gln Thr Xaa Arg Asp Val Ile Thr Ala Leu Thr His Arg Pro  
 1 5 10 15  
 Trp Ser Leu Ser His Thr Gly Asp Gly Lys Pro Arg Tyr Asp Thr Phe  
 20 25 30  
 Trp Lys His Phe Ile Phe Val Met Met Asp Ile Leu Leu Asp Trp Ser  
 35 40 45  
 Met His Asn Ile Leu Trp Tyr Leu Cys Gly Ile Ser Ala Phe Pro Met  
 50 55 60  
 Gln Lys Asp Phe Val Ser Pro Ala Tyr Leu Lys Xaa Trp Ser Ala Lys  
 65 70 75 80  
 Gly Ile Gln Val Val Gly Trp Thr Val Asn Thr Phe Asp Glu Arg Val  
 85 90 95  
 Thr Thr Asn Pro Ile Leu Val Pro Ala Ile Ser Leu Thr Ala  
 100 105 110

<210> 7672  
 <211> 249  
 <212> PRT  
 <213> Homo sapiens

<400> 7672  
 Met Lys Arg Arg Leu Asp Asp Gln Glu Ser Pro Val Tyr Ala Ala Gln  
 1 5 10 15  
 Gln Arg Arg Ile Pro Gly Ser Thr Glu Ala Phe Pro His Gln His Arg  
 20 25 30  
 Val Leu Ala Pro Ala Pro Pro Val Tyr Glu Ala Val Ser Glu Thr Met  
 35 40 45  
 Gln Ser Ala Thr Gly Ile Gln Tyr Ser Val Thr Pro Ser Tyr Gln Val  
 50 55 60  
 Ser Ala Met Pro Gln Ser Ser Gly Ser His Gly Pro Ala Ile Ala Ala  
 65 70 75 80  
 Val His Ser



<210> 7673  
 <211> 228  
 <212> PRT  
 <213> Homo sapiens

<400> 7673  
 Met Glu Ala Tyr Thr Lys Leu Thr Asp Asn Ile Phe Leu Glu Ile Leu  
 1 5 10 15  
 Tyr Ser Thr Asp Pro Lys Leu Lys Asp Ala Arg Glu Ile Leu Lys Gln  
 20 25 30  
 Ile Glu Tyr Arg Asn Leu Phe Lys Tyr Val Gly Glu Thr Gln Pro Thr  
 35 40 45  
 Gly Gln Ile Lys Ile Xaa Arg Glu Asp Tyr Glu Ser Leu Pro Lys Glu  
 50 55 60  
 Val Ala Ser Ala Lys Pro Lys Val Leu Leu Asp Val  
 65 70 75

<210> 7674  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<400> 7674  
 Met Met Ile Ile Pro Lys Lys Ala Ser Thr Leu Phe Ile Arg Xaa Xaa  
 1 5 10 15  
 His Glu Tyr Ala Phe Ser Phe Glu Leu Pro Gln Thr Pro Leu Ala Thr  
 20 25 30  
 Ser Phe Glu Gly Arg His Gly Ser Val Arg Tyr Trp Val Lys Ala Glu  
 35 40 45  
 Leu His Arg Pro Trp Leu Leu Pro Val Lys Leu Lys Lys Glu Phe Thr  
 50 55 60  
 Val Phe Glu His Ile Asp Ile Asn Thr Pro Ser Leu Leu Ser Pro  
 65 70 75

<210> 7675  
 <211> 339  
 <212> PRT  
 <213> Homo sapiens

<400> 7675  
 Met Gly Leu Gly Ala Val Pro Gly Arg Gln Ala Ala Phe Arg Glu Gly  
 1 5 10 15  
 Leu Glu Gln Ala Val Arg Tyr Ala Lys Ala Leu Gly Cys Pro Arg Ile  
 20 25 30  
 His Leu Met Ala Gly Arg Val Pro Gln Gly Ala Asp Arg Ile Ala Val  
 35 40 45  
 Lys Ala Glu Met Glu Ala Val Phe Leu Glu Asn Leu Arg His Ala Ala  
 50 55 60  
 Gly Val Leu Ala Gln Glu Asp Leu Val Gly Leu Leu Glu Pro Ile Asn  
 65 70 75 80  
 Thr Arg Ile Thr Asp Pro Gln Tyr Phe Leu Asp Thr Pro Ser Arg Arg  
 85 90 95  
 Gln His Leu Thr Glu Gly Arg Lys Thr Gln Pro Pro Ile Thr Asn Gly  
 100 105 110

Gln

<210> 7676

<211> 303

<212> PRT

<213> Homo sapiens

<400> 7676

Met Val Asn Phe Pro Gln Lys Ile Ala Gly Glu Leu Tyr Gly Pro Leu  
1 5 10 15  
Met Leu Val Phe Thr Leu Val Ala Ile Leu Leu His Gly Met Lys Thr  
20 25 30  
Ser Asp Thr Ile Ile Arg Glu Gly Thr Leu Met Gly Thr Ala Ile Gly  
35 40 45  
Thr Cys Phe Gly Tyr Trp Leu Gly Val Ser Ser Phe Ile Tyr Phe Leu  
50 55 60  
Ala Tyr Leu Cys Asn Ala Gln Ile Thr Met Leu Gln Met Leu Ala Leu  
65 70 75 80  
Leu Gly Tyr Gly Leu Phe Gly His Cys Ile Val Leu Phe Ile Thr Tyr  
85 90 95  
Asn Ile His Leu Arg  
100

<210> 7677

<211> 318

<212> PRT

<213> Homo sapiens

<400> 7677

Met Ser Ile Ile Gln Trp Lys Leu Val Glu Lys Leu Ser Leu Pro Gln  
1 5 10 15  
Asn Glu Thr Val Ala Asp Thr Thr Leu Thr Lys Ala Pro Val Ser Ser  
20 25 30  
Thr Glu Ser Val Ile Gln Ser Asn Thr Pro Thr Pro Pro Ser Gln  
35 40 45  
Pro Leu Asn Glu Thr Ala Glu Glu Ser Arg Ile Ser Ser Ser Pro  
50 55 60  
Thr Leu Leu Glu Asn Ser Leu Glu Gln Thr Val Glu Pro Ser Glu Asp  
65 70 75 80  
His Ser Glu Glu Glu Ser Glu Glu Gly Ser Gly Asp Leu Gly Glu Pro  
85 90 95  
Leu Tyr Glu Glu Pro Cys Asn Glu Ile Ser  
100 105

<210> 7678

<211> 189

<212> PRT

<213> Homo sapiens

<400> 7678

Met Thr Leu Thr Ala Lys Val Cys Ser Phe Thr Pro Glu Ala Ser Glu  
1 5 10 15  
Thr Thr Ser Pro Leu Gly Gly Arg Asn Lys Ser Arg Gly Ala Thr Leu  
20 25 30

Arg Ala Val Ala Leu Thr Ala Arg Val Arg Gly Phe Ile Leu Glu Val  
 35 40 45  
 Ser Glu Thr Lys Asn Pro Pro Ile Pro Asp Thr Thr Ala Pro Ser  
 50 55 60

<210> 7679  
 <211> 171  
 <212> PRT  
 <213> Homo sapiens

<400> 7679  
 Met Val Gly Arg His Leu Phe Pro Pro Pro Pro Ser Ser Phe Ser Leu  
 1 5 10 15  
 Cys Asp Phe Ser Pro Lys Phe Leu Gly Leu Leu Lys Ile Ser Tyr Pro  
 20 25 30  
 Ser Leu Pro Leu Tyr Cys Leu Phe Ala Thr Ser Ser Lys Lys Ile Asn  
 35 40 45  
 Phe His Phe Arg Pro Leu Thr Pro Glu  
 50 55

<210> 7680  
 <211> 234  
 <212> PRT  
 <213> Homo sapiens

<400> 7680  
 Met Glu His Tyr Arg Lys Ala Gly Ser Val Glu Leu Pro Ala Pro Ser  
 1 5 10 15  
 Pro Met Pro Gln Leu Pro Pro Asp Thr Leu Glu Met Arg Val Arg Asp  
 20 25 30  
 Gly Ser Lys Ile Arg Asn Leu Leu Gly Leu Ala Leu Gly Arg Leu Glu  
 35 40 45  
 Gly Gly Ser Ala Arg His Val Val Phe Ser Gly Ser Gly Arg Ala Ala  
 50 55 60  
 Gly Lys Ala Val Ser Cys Ala Glu Ile Val Lys Arg Arg Val  
 65 70 75

<210> 7681  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7681  
 Met Ala Arg Ser Arg Trp Ser Leu Ser Leu Arg Ser Cys Trp Val His  
 1 5 10 15  
 Leu Gln Lys Gly Cys His Phe Thr Leu Gly Arg Leu His Ser Gly Gln  
 20 25 30  
 Ala Glu Ala Leu Leu Thr Ser Gln Pro Arg Arg Pro Gly Arg Gly Ala  
 35 40 45  
 Pro His Phe Pro  
 50

<210> 7682  
 <211> 222

<212> PRT  
<213> Homo sapiens

<400> 7682

Met	His	His	Gly	Leu	Thr	Pro	Leu	Leu	Leu	Gly	Val	His	Glu	Gln	Lys
1			5						10					15	
Gln	Gln	Val	Val	Lys	Phe	Leu	Ile	Lys	Lys	Lys	Ala	Asn	Leu	Asn	Ala
		20					25						30		
Leu	Asp	Arg	Tyr	Gly	Arg	Thr	Ala	Leu	Ile	Leu	Ala	Val	Cys	Cys	Gly
	35					40						45			
Ser	Ala	Ser	Ile	Val	Ser	Leu	Leu	Leu	Glu	Gln	Asn	Ile	Asp	Val	Ser
	50					55					60				
Ser	Gln	Asp	Leu	Ser	Gly	Gln	Thr	Ala	Pro						
65					70										

<210> 7683

<211> 303

<212> PRT

<213> Homo sapiens

<400> 7683

Met	Ala	Ala	Arg	Arg	Ile	Thr	Gln	Glu	Thr	Phe	Asp	Ala	Val	Leu	Gln
1			5						10					15	
Glu	Lys	Ala	Lys	Arg	Tyr	His	Met	Asp	Ala	Ser	Gly	Glu	Ala	Val	Ser
		20					25						30		
Glu	Thr	Leu	Gln	Phe	Lys	Ala	Gln	Asp	Leu	Leu	Arg	Ala	Val	Pro	Arg
	35					40						45			
Ser	Arg	Ala	Glu	Met	Tyr	Asp	Asp	Val	His	Ser	Asp	Gly	Arg	Tyr	Ser
	50					55					60				
Leu	Ser	Gly	Ser	Val	Ala	His	Ser	Arg	Asp	Ala	Gly	Arg	Glu	Gly	Leu
65				70					75					80	
Arg	Ser	Asp	Val	Phe	Pro	Gly	Pro	Ser	Phe	Arg	Ser	Ser	Asn	Pro	Xaa
			85					90						95	
Ile	Ser	Asp	Asp	Ser											
			100												

<210> 7684

<211> 318

<212> PRT

<213> Homo sapiens

<400> 7684

Met	Glu	Lys	Leu	Pro	Ser	Gly	Met	Glu	Ile	Ser	Phe	Ala	Pro	Ala	Thr
1			5						10					15	
Ser	His	Glu	Ala	Pro	Ala	Met	Met	Asp	Ser	His	Ile	Ser	Ser	Ser	Asp
		20					25						30		
Ala	Ala	Thr	Glu	Met	Leu	Ser	Gln	Pro	Asn	His	Pro	Ser	Gly	Glu	Val
	35					40						45			
Lys	Ala	Glu	Asn	Asn	Ile	Glu	Met	Val	Gly	Glu	Ser	Gln	Ala	Ala	Lys
	50				55					60					
Val	Ile	Val	Ser	Val	Glu	Asp	Ala	Val	Pro	Thr	Ile	Phe	Cys	Gly	Lys
65				70					75					80	
Ile	Lys	Gly	Leu	Ser	Gly	Cys	Pro	Pro	Lys	Thr	Ser	Pro	Ser	Lys	Glu
			85					90						95	

Lys Thr Pro Cys Phe Arg Ala Met Thr Ser  
100 105

<210> 7685  
<211> 303  
<212> PRT  
<213> Homo sapiens

<400> 7685  
Met Asp Phe Val Leu Leu Asn Phe Ala Glu Met Asn Lys Leu Trp Val  
1 5 10 15  
Arg Met Gln His Gln Gly His Ser Arg Asp Arg Glu Lys Arg Glu Arg  
20 25 30  
Glu Arg Gln Glu Leu Arg Ile Leu Val Gly Thr Asn Leu Val Arg Leu  
35 40 45  
Ser Gln Leu Glu Gly Val Asn Val Glu Arg Tyr Lys Gln Ile Val Leu  
50 55 60  
Thr Gly Ile Leu Glu Gln Val Val Asn Cys Arg Asp Ala Leu Ala Gln  
65 70 75 80  
Glu Tyr Leu Met Glu Cys Ile Ile Gln Val Phe Xaa Asp Glu Phe His  
85 90 95  
Leu Gln Thr Leu Asn  
100

<210> 7686  
<211> 162  
<212> PRT  
<213> Homo sapiens

<400> 7686  
Met Met Ala Asp Arg Phe Leu His Pro Trp Pro Asn Val Gly Val Glu  
1 5 10 15  
Phe Tyr Lys Met Leu Thr Arg Asp His Cys Ser His Phe Leu Ser Ala  
20 25 30  
Ser Phe Ala Thr Asp Trp Pro Gly Ser Phe Ile Tyr Leu Pro Ser Phe  
35 40 45  
Thr Phe Pro Arg Pro Pro  
50

<210> 7687  
<211> 249  
<212> PRT  
<213> Homo sapiens

<400> 7687  
Met Lys Val Thr Leu Ser Ala Leu Asp Thr Ser Glu Ser Ser Phe Thr  
1 5 10 15  
Pro Leu Val Val Ile Glu Leu Ala Gln Asp Val Lys Glu Glu Thr Lys  
20 25 30  
Glu Trp Leu Lys Asn Arg Ile Ile Ala Lys Lys Lys Asp Gly Gly Ala  
35 40 45  
Gln Leu Leu Phe Arg Pro Leu Leu Asn Lys Tyr Glu Gln Glu Thr Leu  
50 55 60  
Glu Asn Gln Asn Leu Tyr Leu Val Gly Ala Ser Lys Ile Arg Met Leu

65                      70                      75                      80  
 Leu Gly Ala

<210> 7688  
 <211> 255  
 <212> PRT  
 <213> Homo sapiens

<400> 7688  
 Met Val Lys Lys Leu Val Met Ala Gln Lys Arg Gly Glu Thr Arg Ala  
 1                      5                      10                      15  
 Leu Cys Leu Gly Val Thr Met Val Val Cys Ala Val Ile Thr Tyr Tyr  
 20                      25                      30  
 Ile Leu Val Thr Thr Val Leu Pro Leu Tyr Gln Lys Ser Val Trp Thr  
 35                      40                      45  
 Gln Glu Ser Lys Cys His Leu Ile Glu Thr Asn Ile Arg Asp Gln Glu  
 50                      55                      60  
 Glu Leu Lys Gly Lys Lys Val Pro Gln Tyr Pro Cys Leu Trp Val Asn  
 65                      70                      75                      80  
 Val Ser Ala Ala Gly  
 85

<210> 7689  
 <211> 357  
 <212> PRT  
 <213> Homo sapiens

<400> 7689  
 Met Asn Glu Arg Ala Ile Ala Gly Ala Leu Ile Ala Asp Phe Leu Ser  
 1                      5                      10                      15  
 Gly Leu Val His Trp Gly Ala Asp Thr Trp Gly Ser Val Glu Leu Pro  
 20                      25                      30  
 Ile Val Gly Lys Ala Phe Ile Arg Pro Phe Arg Glu His His Ile Asp  
 35                      40                      45  
 Pro Thr Ala Ile Thr Arg His Asp Phe Ile Glu Thr Asn Gly Asp Asn  
 50                      55                      60  
 Cys Leu Val Thr Leu Leu Pro Leu Leu Asn Met Ala Tyr Lys Phe Arg  
 65                      70                      75                      80  
 Thr His Ser Pro Glu Ala Leu Glu Gln Leu Tyr Pro Trp Glu Cys Phe  
 85                      90                      95  
 Val Phe Cys Leu Ile Ile Phe Gly Thr Phe Thr Asn Gln Ile His Lys  
 100                      105                      110  
 Trp Ser His Thr Tyr Phe Gly  
 115

<210> 7690  
 <211> 300  
 <212> PRT  
 <213> Homo sapiens

<400> 7690  
 Met Gln Thr Phe Thr Met Val Leu Glu Glu Ile Trp Thr Ser Leu Phe  
 1                      5                      10                      15  
 Met Trp Phe Phe Tyr Ala Leu Ile Pro Xaa Leu Leu Thr Asp Glu Val

20 25 30  
 Ala Ile Leu Pro Ala Pro Gln Asn Leu Ser Val Leu Ser Thr Asn Met  
 35 40 45  
 Xaa His Leu Leu Met Trp Ser Pro Val Ile Ala Pro Gly Glu Thr Val  
 50 55 60  
 Tyr Tyr Ser Val Glu Tyr Gln Gly Glu Tyr Glu Ser Leu Tyr Thr Ser  
 65 70 75 80  
 His Ile Trp Ile Pro Ser Ser Trp Cys Ser Leu Thr Glu Gly Pro Glu  
 85 90 95  
 Cys Asp Val Thr  
 100

<210> 7691  
 <211> 177  
 <212> PRT  
 <213> Homo sapiens

<400> 7691  
 Met Ala Ser Met His Ile Ser Ser Leu Cys Tyr Arg Lys Ser Pro Val  
 1 5 10 15  
 Cys Ser Lys Val Leu Lys Pro Ile Thr Ser Ser Leu Gly Ile Ser Pro  
 20 25 30  
 Tyr Ile Gln Thr Tyr Leu Ile Ser His Ser Trp Leu Ile Thr Lys Tyr  
 35 40 45  
 Cys His Ile Cys Leu Leu Ser Val Leu Pro Ala  
 50 55

<210> 7692  
 <211> 225  
 <212> PRT  
 <213> Homo sapiens

<400> 7692  
 Met Lys Arg Xaa Xaa Glu Leu Ile Thr Xaa Asn His Ser Gln Glu Xaa  
 1 5 10 15  
 Thr Ser Ile Leu Arg Xaa Xaa Lys Cys Arg Xaa Cys Ile Ala Ser Ser  
 20 25 30  
 Gly Cys Phe Met Glu Tyr Leu Glu Asn Gln Val Ile Lys Asp Xaa Asp  
 35 40 45  
 Xaa Ser Val Asp Ala Gln Asn Ile Cys His Val Trp His Met Xaa Val  
 50 55 60  
 Glu Ala Leu Pro Glu Trp Ile Ser Cys Leu Ile  
 65 70 75

<210> 7693  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<400> 7693  
 Met Ser His Leu Met Thr Leu Ala Ile Ile Gln Thr Gly Lys Met Phe  
 1 5 10 15  
 Ile Leu Ile Ser Ala Thr Ala Thr Leu Lys Pro Glu Val Ser Glu Leu  
 20 25 30

Trp Leu Met Ser Leu Asp Val Gly Gln Pro Tyr Cys Glu Cys Gln Pro  
 35 40 45  
 Trp Phe Leu Asn Val Leu Leu Glu Glu Ser Thr Ser Leu Pro Val  
 50 55 60

<210> 7694  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7694  
 Met Arg Arg Asn Ser Ser Leu Ser Phe Gln Met Glu Arg Pro Leu Glu  
 1 5 10 15  
 Glu Gln Val Gln Ser Lys Xaa Ser Ser Gln Gly Arg Thr Xaa Thr  
 20 25 30  
 Gly Gly Ser Asp Val Leu Gln Met Gln Asn Ser Glu His His Gly Gln  
 35 40 45  
 Ser Ile Lys Thr His  
 50

<210> 7695  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7695  
 Met Met Pro Arg Val Ala Pro Val Ala Leu Pro Ala Val Cys Ser Val  
 1 5 10 15  
 Gly Leu Gly Arg Glu Glu Xaa Ser Trp Leu Ala Arg Gly Ala Thr Ala  
 20 25 30  
 Asp Ser Pro Gly Arg Val Asp Gly Pro Ala Gly Val Pro Leu Ala Pro  
 35 40 45  
 Leu Ala Cys Cys Asp Trp Gly His Ser Leu Ala Leu Arg Gln  
 50 55 60

<210> 7696  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 7696  
 Met Leu Xaa Arg Leu Lys Asp Lys Ile Pro Asn Val Arg Ile Gln Ala  
 1 5 10 15  
 Val Leu Ala Leu Ser Arg Leu Gln Asp Pro Lys Asp Asp Glu Cys Pro  
 20 25 30  
 Val Val Asn Ala Tyr Ala Thr Leu Ile Glu Asn Asp Ser Asn Pro Glu  
 35 40 45  
 Val Arg Arg Ala Val Leu Ser Cys Ile Ala Pro Ser Ala Lys Thr Leu  
 50 55 60  
 Xaa Xaa Ile Xaa Gly Arg Thr  
 65 70

<210> 7697  
 <211> 255



<212> PRT  
<213> Homo sapiens

<400> 7697

Met	Gly	Glu	Asn	Glu	Ala	Ser	Leu	Pro	Asn	Thr	Ser	Leu	Gln	Gly	Lys
1			5						10				15		
Lys	Met	Ala	Tyr	Gln	Lys	Val	His	Ala	Asp	Gln	Arg	Ala	Pro	Gly	His
		20						25				30			
Ser	Gln	Tyr	Leu	Asp	Asn	Asp	Asp	Leu	Gln	Ala	Thr	Ala	Leu	Asp	Leu
		35					40					45			
Glu	Trp	Asp	Met	Glu	Lys	Glu	Leu	Glu	Glu	Ser	Gly	Phe	Asp	Gln	Phe
	50					55					60				
Gln	Leu	Xaa	Ser	Ala	Glu	Asn	Gln	Asn	Leu	Gly	His	Ser	Glu	Xaa	Ile
65					70					75					80
Asp	Leu	Asn	Leu	Asp											
				85											

<210> 7698

<211> 378

<212> PRT

<213> Homo sapiens

<400> 7698

Met	Gly	Val	Gly	Gly	Met	Met	Gly	Gln	Gly	Ser	Xaa	Arg	Arg	Xaa	Arg
1			5						10					15	
Glu	Arg	Asn	Arg	Arg	Leu	Gln	Lys	Pro	Thr	Trp	Arg	Trp	Val	Thr	Val
		20					25					30			
Arg	Gly	Ser	Leu	His	Tyr	His	Glu	Glu	Leu	Gly	Lys	Glu	Val	Thr	His
		35					40					45			
Ser	Arg	Gln	Ile	Ser	Ser	Asn	Ser	Ser	Trp	Arg	Gln	Leu	Pro	Thr	Leu
	50					55					60				
Gln	Leu	Trp	Phe	Ser	Thr	Glu	Arg	Arg	Lys	Gly	Arg	Glu	Met	Glu	
65					70				75					80	
Cys	Ala	Gly	Leu	Arg	Arg	Leu	Ser	Phe	Trp	Ser	Ile	Cys	Arg	Ser	Leu
			85						90					95	
His	His	Gly	Pro	Val	Ala	Pro	Leu	Phe	Leu	His	Glu	Leu	Leu	Val	Gly
			100					105						110	
Ser	Pro	Ser	Arg	Ile	Ala	Pro	Pro	Ser	Arg	Lys	Arg	Met	Trp		
		115					120								

<210> 7699

<211> 195

<212> PRT

<213> Homo sapiens

<400> 7699

Met	Glu	Glu	Glu	Leu	Arg	Tyr	Ala	Pro	Leu	Ser	Phe	Arg	Asn	Pro	Met
1				5					10					15	
Met	Ser	Lys	Leu	Arg	Asn	Tyr	Arg	Lys	Asp	Leu	Ala	Lys	Leu	His	Arg
		20						25					30		
Glu	Val	Arg	Ser	Thr	Pro	Leu	Thr	Ala	Thr	Pro	Gly	Gly	Arg	Gly	Asp
		35					40					45			
Met	Lys	Tyr	Gly	Ile	Tyr	Ala	Val	Glu	Asn	Glu	His	Met	Asn	Arg	Leu
	50					55					60				

Leu  
65

<210> 7700

<211> 297

<212> PRT

<213> Homo sapiens

<400> 7700

Met Asn Gly Arg Val Asp Tyr Leu Val Thr Glu Glu Glu Ile Asn Leu  
1 5 10 15  
Thr Arg Gly Pro Ser Gly Leu Gly Phe Asn Ile Val Gly Gly Thr Asp  
20 25 30  
Gln Gln Tyr Val Ser Asn Asp Ser Gly Ile Tyr Val Ser Arg Ile Lys  
35 40 45  
Glu Asn Gly Ala Ala Ala Leu Asp Gly Arg Leu Gln Glu Gly Asp Lys  
50 55 60  
Ile Leu Ser Val Asn Gly Gln Asp Leu Lys Asn Leu Leu His Gln Asp  
65 70 75 80  
Ala Val Asp Leu Phe Arg Asn Ala Gly Tyr Ala Val Ser Leu Arg Val  
85 90 95  
Gln His Arg

<210> 7701

<211> 237

<212> PRT

<213> Homo sapiens

<400> 7701

Met Asp Ser Ala Gln Arg Glu Ala Leu Asp Asp Ile Xaa Xaa Gln Val  
1 5 10 15  
Met Glu Xaa Ile Asn Ala Asn Ala Lys Thr Arg Gly Arg Ile Ile Asp  
20 25 30  
Phe Lys Glu Ile Gln Tyr Gly Tyr Arg Arg Val Asn Pro Met Tyr Gly  
35 40 45  
Ala Glu Tyr Ile Leu Asp Leu Leu Leu Tyr Lys Lys His Lys Gly  
50 55 60  
Lys Lys Met Thr Val Pro Val Arg Xaa His Ala Tyr Leu Gln Pro  
65 70 75

<210> 7702

<211> 186

<212> PRT

<213> Homo sapiens

<400> 7702

Met Lys Thr Phe Lys Asp Glu Glu Leu Phe Pro Leu Gln Val Val Met  
1 5 10 15  
Lys Lys Leu Asp Leu Ile Xaa Glu Leu Arg Glu Arg Val Gln Thr Gln  
20 25 30  
Cys Asp Cys Cys Phe Leu Tyr Trp His Arg Ala Val Phe Pro Ile Xaa  
35 40 45  
Leu Asp Xaa Val Tyr Glu Met Leu Leu Met Gln Gln Ile His  
50 55 60

<210> 7703  
 <211> 279  
 <212> PRT  
 <213> Homo sapiens

<400> 7703  
 Met Thr Tyr Glu Ala Gln Phe Phe Gly Phe Thr Pro Gln Thr Cys Met  
 1 5 10 15  
 Leu Arg Ile Tyr Ile Ala Phe Gln Asp Tyr Leu Phe Glu Val Met Gln  
 20 25 30  
 Ala Val Xaa Gln Val Ile Leu Lys Lys Leu Asp Gly Ile Pro Asp Cys  
 35 40 45  
 Asp Ile Ser Pro Val Gln Ile Arg Lys Cys Thr Glu Lys Phe Leu Cys  
 50 55 60  
 Phe Met Lys Gly His Phe Asp Asn Leu Phe Ser Lys Met Glu Gln Leu  
 65 70 75 80  
 Phe Leu Gln Leu Ile Leu Arg Ile Pro Ser Asn Ile Leu  
 85 90

<210> 7704  
 <211> 351  
 <212> PRT  
 <213> Homo sapiens

<400> 7704  
 Met Met Asp Ala Ser Lys Glu Leu Gln Val Leu His Ile Asp Phe Leu  
 1 5 10 15  
 Asn Gln Asp Asn Ala Val Ser His His Thr Trp Glu Phe Gln Thr Ser  
 20 25 30  
 Ser Pro Val Phe Arg Arg Gly Gln Val Phe His Leu Arg Leu Val Leu  
 35 40 45  
 Asn Gln Pro Leu Gln Ser Tyr His Gln Leu Lys Leu Glu Phe Ser Thr  
 50 55 60  
 Gly Pro Asn Pro Ser Ile Ala Lys His Thr Leu Val Val Leu Asp Pro  
 65 70 75 80  
 Arg Thr Pro Ser Asp His Tyr Asn Trp Gln Ala Thr Leu Gln Asn Glu  
 85 90 95  
 Ser Gly Lys Glu Val Thr Val Ala Val Thr Ser Ser Pro Asn Ala Ile  
 100 105 110  
 Leu Gly Lys Tyr Gln  
 115

<210> 7705  
 <211> 264  
 <212> PRT  
 <213> Homo sapiens

<400> 7705  
 Met Val Val Asp Ile Gln Arg Arg His Leu Arg Val Gly Leu Lys Gly  
 1 5 10 15  
 Gln Pro Ala Ile Ile Asp Gly Glu Leu Tyr Asn Glu Val Lys Val Glu  
 20 25 30  
 Glu Ser Ser Trp Leu Ile Glu Asp Gly Lys Val Val Thr Val His Leu

35 40 45  
 Glu Lys Ile Asn Lys Met Glu Trp Trp Ser Arg Leu Val Ser Ser Asp  
 50 55 60  
 Leu Arg Ser Thr Pro Arg Arg Leu Thr Leu Lys Asn Ser Lys Leu Ser  
 65 70 75 80  
 Asp Leu Asp Ser Glu Thr Arg Ser  
 85

<210> 7706  
 <211> 384  
 <212> PRT  
 <213> Homo sapiens

<400> 7706  
 Met Lys Leu Ser Glu Ile Pro Leu Thr Leu His Ser Val Ser Glu Leu  
 1 5 10 15  
 Val Arg Leu Cys Leu Arg Arg Ser Asp Val Gln Glu Glu Ser Glu Gly  
 20 25 30  
 Ser Asp Thr Asp Asp Asn Lys Asp Ser Ala Ala Phe Glu Asp Asn Glu  
 35 40 45  
 Val Gln Asp Glu Phe Leu Glu Lys Leu Glu Thr Ser Glu Phe Phe Glu  
 50 55 60  
 Leu Thr Ser Glu Glu Lys Leu Gln Ile Leu Thr Xaa Leu Cys His Arg  
 65 70 75 80  
 Ile Leu Met Thr Tyr Ser Val Gln Asp His Met Glu Thr Arg Gln Gln  
 85 90 95  
 Met Ser Ala Glu Leu Trp Lys Glu Arg Leu Ala Val Leu Lys Glu Glu  
 100 105 110  
 Asn Asp Lys Lys Arg Ala Glu Lys Gln Lys Arg Lys Glu Met Glu Ala  
 115 120 125

<210> 7707  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 7707  
 Met Asp Val Asn Ile Phe Leu Ser Arg Glu Tyr Asp Gln Glu Phe Tyr  
 1 5 10 15  
 Ser Ile Phe Pro Lys Thr Phe Phe Arg Asp Lys Ser Phe Leu Pro Asn  
 20 25 30  
 Ile His Leu Val Trp Asn Ile Ser Ala Leu Thr Val Asn His Ser Asp  
 35 40 45  
 Ile Ile Gln Gly Val Ser Arg Xaa Xaa Pro Trp Ile Val Cys Phe Leu  
 50 55 60  
 Ile  
 65

<210> 7708  
 <211> 192  
 <212> PRT  
 <213> Homo sapiens

<400> 7708

Met Ala Pro Ser Arg Leu Thr Ala Thr Ser Thr Ser Trp Phe Lys Arg  
 1 5 10 15  
 Phe Ser Gly Leu Ser Phe Pro Ser Ser Trp Asp Tyr Arg Xaa Xaa Pro  
 20 25 30  
 Pro His Leu Ala Asn Phe Val Phe Leu Val Glu Met Gly Phe Leu His  
 35 40 45  
 Val Gly Gln Ala Gly Leu Lys Leu Pro Thr Ser Ser Asp Leu Pro Ala  
 50 55 60

<210> 7709  
 <211> 234  
 <212> PRT  
 <213> Homo sapiens

<400> 7709  
 Met Leu Lys Asp Leu Phe Lys Glu Asn Tyr Lys Pro Leu Leu Ser Glu  
 1 5 10 15  
 Ile Lys Glu Asp Thr Asn Lys Trp Lys Asn Ile Pro Cys Ser Trp Ile  
 20 25 30  
 Gly Arg Ile Asn Ile Met Lys Met Pro Ile Leu Pro Lys Val Ile Tyr  
 35 40 45  
 Arg Phe Asn Ala Ile Pro Ile Lys Leu Pro Met Thr Phe Phe Thr Glu  
 50 55 60  
 Leu Glu Lys Thr Lys Val His Met Glu Pro Lys Lys Ser Pro  
 65 70 75

<210> 7710  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7710  
 Met Gln Ser Asp Gly Leu Gly Cys His Phe Arg Gln Ser Ile Tyr Thr  
 1 5 10 15  
 Thr Pro His Pro Xaa Leu Xaa Xaa Xaa Xaa Pro Xaa Phe Pro Ser Phe  
 20 25 30  
 Leu Leu Tyr Gln Val Lys Thr Xaa Ser Glu Ala Cys Leu Met Val Arg  
 35 40 45  
 Lys Pro Ala His  
 50

<210> 7711  
 <211> 252  
 <212> PRT  
 <213> Homo sapiens

<400> 7711  
 Met Ser Val Leu Glu Pro Asp Ser Arg Gly Pro Pro Pro Ile Ser Leu  
 1 5 10 15  
 Thr His Thr Gly Ile His Thr Pro Gln Lys Thr Ser Gln Met Arg Pro  
 20 25 30  
 Asp Ser Gly Ser Arg Gly Met Cys Phe Cys Pro Cys Lys Gly Phe Gly  
 35 40 45  
 Glu Gly Gly Asn Ile Val Glu Ala Gly Lys Ser Pro Gln Thr Cys Ala

50                      55                      60  
 Xaa Xaa Pro Pro Ala Leu Arg Phe His Ser Ala Phe Ser Glu Cys Pro  
 65                      70                      75                      80  
 Cys Cys Thr Gln

<210> 7712  
 <211> 339  
 <212> PRT  
 <213> Homo sapiens

<400> 7712  
 Met Asn Leu Xaa Pro His Val Xaa Asn Leu Leu Arg Glu Gln Ser Arg  
 1                      5                      10                      15  
 Thr Arg Pro Ile Ser Pro Lys Glu Ile Glu Arg Met Val Gly Ile Ile  
                     20                      25                      30  
 His Arg Lys Phe Ser Ser Ile Gln Met Gln Leu Lys Gln Ser Thr Cys  
                     35                      40                      45  
 Glu Ala Val Met Ile Leu Arg Ser Arg Phe Leu Asp Ala Arg Arg Lys  
                     50                      55                      60  
 Arg Arg Asn Phe Ser Lys Gln Xaa Thr Glu Ile Leu Asn Glu Tyr Phe  
 65                      70                      75                      80  
 Tyr Ser His Leu Ser Asn Pro Tyr Pro Ser Glu Glu Ala Lys Glu Glu  
                     85                      90                      95  
 Leu Ala Lys Lys Cys Ser Ile Thr Val Ser Gln Val Ser Asn Trp Phe  
                     100                      105                      110  
 Gly

<210> 7713  
 <211> 255  
 <212> PRT  
 <213> Homo sapiens

<400> 7713  
 Met Trp Val Phe Gly Tyr Gly Ser Leu Ile Trp Lys Val Asp Phe Pro  
 1                      5                      10                      15  
 Tyr Gln Asp Lys Leu Val Gly Tyr Ile Thr Asn Tyr Ser Arg Arg Phe  
                     20                      25                      30  
 Trp Gln Gly Ser Thr Asn His Arg Gly Val Pro Gly Lys Pro Xaa Arg  
                     35                      40                      45  
 Val Val Thr Leu Val Glu Asp Pro Ala Gly Cys Val Trp Gly Val Ala  
                     50                      55                      60  
 Tyr Arg Leu Pro Val Gly Lys Glu Glu Glu Val Lys Ala Tyr Leu Asp  
 65                      70                      75                      80  
 Phe Arg Glu Lys Gly  
                     85

<210> 7714  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7714  
 Met Glu Met Met Glu Gly Gly Glu Leu Phe His Arg Ile Ser Gln His  
 1                      5                      10                      15

Arg His Phe Thr Glu Lys Gln Ala Ser Gln Val Thr Lys Gln Ile Ala  
 20 25 30  
 Leu Ala Leu Arg His Cys His Leu Leu Asn Ile Ala His Arg Asp Leu  
 35 40 45  
 Lys Pro Glu Asn Leu Leu Xaa Lys Asp Asn Ser Leu Asp Ala  
 50 55 60

<210> 7715  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 7715  
 Met Ser Trp Phe Asn Ala Ser Gln Leu Ser Ser Phe Xaa Lys Gln Ala  
 1 5 10 15  
 Leu Ser Gln Ala Gln Lys Ser Ile Asp Arg Val Leu Asp Ile Gln Glu  
 20 25 30  
 Glu Glu Xaa Ser Ile Trp Ala Glu Thr Ile Pro Tyr Gly Glu Pro Gly  
 35 40 45  
 Ile Ser Ser Pro Val Ser Gly Gly Trp Asp Thr Ser Thr Trp Gly Leu  
 50 55 60  
 Lys Ser Asn Thr Glu  
 65

<210> 7716  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7716  
 Met Phe Asn Gly Gln Phe Leu Phe Asp Arg Pro Met His Val Lys Met  
 1 5 10 15  
 Asp Asp Lys Ser Val Pro His Lys Glu Tyr Arg Ser His Asp Gly Lys  
 20 25 30  
 Thr Pro Gln Leu Pro Arg Xaa Leu Gly Gly Ile Gly Met Gly Leu Gly  
 35 40 45  
 Pro Gly Gly Gln Pro Ile Ser Ala Ser Gln Leu Asn Ile Gly  
 50 55 60

<210> 7717  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7717  
 Met Phe Lys Tyr Leu Ile Ser His Phe Gly Gly Phe Leu Phe Phe Tyr  
 1 5 10 15  
 Phe Leu Asp Gly Val Ser Arg Tyr Arg Pro Gly Trp Ser Ala Val Ala  
 20 25 30  
 Arg Thr Arg Leu Thr Ala Thr Ser Ala Ser Trp Gly Xaa Ser Asn Ser  
 35 40 45  
 Pro Ser Ser Ala Ser Gln Val Ala Gly Ile Thr Gly Met His  
 50 55 60

<210> 7718  
 <211> 333  
 <212> PRT  
 <213> Homo sapiens

<400> 7718  
 Met Phe Cys Ser Gly Phe Gln Thr Cys Ala Arg Glu Val Leu Gln Tyr  
 1 5 10 15  
 Leu Ala Lys His Glu Asn Thr Arg Asp Leu Lys Ser Ser Gln Leu Val  
 20 25 30  
 Thr His Leu His Arg Val Val Ser Glu Leu Leu Gln Gly Gly Thr Ser  
 35 40 45  
 Arg Lys Pro Ser Asp Pro Ala Pro Lys Val Met Asp Phe Lys Glu Lys  
 50 55 60  
 Pro Ser Ser Pro Ala Lys Gly Ser Glu Gly Pro Gly Lys Asn Cys Val  
 65 70 75 80  
 Xaa Val Ile Gln Arg Thr Phe Ala His Ser Ser Gly Glu Gln Ser Gly  
 85 90 95  
 Ser Xaa Thr Asp Thr Asp Ser Gly Tyr Gly Gly Asp Arg Arg Arg  
 100 105 110

<210> 7719  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 7719  
 Met Thr Asn Ser Thr Gly Val Ser Xaa Leu Leu Ser His Ala Cys Leu  
 1 5 10 15  
 Gly Val Thr Thr Pro Trp Pro Ser Pro Met Ala Pro Val Pro His Ser  
 20 25 30  
 Ala Gln Ala Pro Met Pro Ser Gln Gln Leu Ala Phe Ser Ser Gly Gln  
 35 40 45  
 Met Ser Leu Leu Ala Leu  
 50

<210> 7720  
 <211> 321  
 <212> PRT  
 <213> Homo sapiens

<400> 7720  
 Met Leu Ser Tyr Lys Leu Pro His Leu Ile Leu Val Ala Cys Phe Ser  
 1 5 10 15  
 Phe Leu Tyr Pro Lys Arg Thr Ser Met His Phe Phe Phe Cys Ser Pro  
 20 25 30  
 Gly Asn Ser Asn Phe Leu Asn Met Asn Glu Gly Ala Ser Arg Gly Gly  
 35 40 45  
 Ser Cys Leu Trp Ser Gln His Phe Gly Arg Leu Arg Arg Ala Asp His  
 50 55 60  
 Leu Arg Ser Gly Val Arg Asp Arg His Gly Xaa Xaa Gly Glu Thr Leu  
 65 70 75 80  
 Ser Leu Leu Glu Asn Ala Lys Ile Ile Trp Val Xaa Trp His Ser Pro  
 85 90 95



Val Xaa Pro Ala Thr Arg Glu Ala Glu Ala Gly  
 100 105

<210> 7721  
 <211> 273  
 <212> PRT  
 <213> Homo sapiens

<400> 7721  
 Met Arg Arg Gln Leu Arg Ser Arg Arg Ala Pro Ser Phe Pro Tyr Ser  
 1 5 10 15  
 Tyr Arg Tyr Arg Xaa Asp Asp Pro Asp Glu Ala Asn Gln Asn Tyr Leu  
 20 25 30  
 Ala Asp Glu Glu Glu Glu Ala Glu Glu Glu Ala Arg Val Thr Val Val  
 35 40 45  
 Pro Lys Ser Glu Glu Glu Glu Glu Glu Glu Lys Glu Glu Glu Glu  
 50 55 60  
 Glu Glu Glu Lys Xaa Glu Glu Glu Gly Gln Gly Gln Pro Thr Gly Asn  
 65 70 75 80  
 Ala Trp Trp Gln Lys Leu Gln Ile Met Ser Glu  
 85 90

<210> 7722  
 <211> 282  
 <212> PRT  
 <213> Homo sapiens

<400> 7722  
 Met Thr Lys Xaa Phe Arg Ser Phe Arg Ser Glu Cys Glu Ala Glu Val  
 1 5 10 15  
 Gly Trp Asn Leu Thr Tyr Ser Arg Ala Gly Val Ser Val Trp Val Gln  
 20 25 30  
 Ala Val Glu Met Asp Arg Thr Leu His Lys Ile Lys Cys Arg Met Glu  
 35 40 45  
 Cys Cys Asp Val Pro Ala Glu Thr Leu Tyr Asp Val Leu His Asp Ile  
 50 55 60  
 Glu Tyr Arg Lys Lys Trp Asp Ser Asn Val Ile Glu Thr Phe Asp Ile  
 65 70 75 80  
 Ala Arg Leu Thr Val Asn Ala Xaa Val Gly Tyr Tyr Ser Trp  
 85 90

<210> 7723  
 <211> 210  
 <212> PRT  
 <213> Homo sapiens

<400> 7723  
 Met Phe Asn Arg Arg Leu Xaa Xaa Asn Xaa Lys Arg Xaa Leu His Glu  
 1 5 10 15  
 Leu Lys Xaa Lys Tyr Glu Tyr Ser Ile Gln Asn Ala Ala Trp Lys Asp  
 20 25 30  
 Ile Asp Leu Glu Asn Leu Glu Lys Gly Leu Arg Asp Ile Lys Ala Xaa  
 35 40 45  
 Ile Gly Lys Ser Asn Met Ser Xaa Ile Arg Val Pro Glu Gly Glu Glu

50 55 60  
Met Xaa Trp Ser Arg Gly  
65 70

<210> 7724  
<211> 273  
<212> PRT  
<213> Homo sapiens

<400> 7724  
Met Thr Gln Arg Ser Ile Ala Gly Pro Ile Cys Asn Leu Lys Phe Val  
1 5 10 15  
Thr Leu Leu Xaa Gly Xaa Xaa Ser Xaa Leu Pro Xaa Leu Gly Ala Gly  
20 25 30  
Val Gln Leu Gln Asp Asn Gly Tyr Asn Gly Leu Leu Ile Ala Ile Asn  
35 40 45  
Pro Gln Val Pro Glu Asn Gln Asn Leu Ile Ser Asn Ile Lys Glu Met  
50 55 60  
Ile Thr Glu Ala Ser Phe Tyr Leu Phe Asn Ala Thr Lys Arg Arg Val  
65 70 75 80  
Phe Phe Arg Asn Ile Lys Ile Leu Ile Pro Ala  
85 90

<210> 7725  
<211> 261  
<212> PRT  
<213> Homo sapiens

<400> 7725  
Met Gly Thr Val His Ala Arg Ser Leu Glu Pro Leu Pro Ser Ser Gly  
1 5 10 15  
Pro Asp Phe Gly Gly Leu Gly Glu Glu Ala Glu Phe Val Glu Val Glu  
20 25 30  
Pro Glu Ala Lys Gln Glu Ile Leu Glu Asn Lys Asp Val Val Val Gln  
35 40 45  
His Val His Phe Asp Gly Leu Gly Arg Thr Lys Asp Asp Ile Ile Ile  
50 55 60  
Cys Glu Ile Gly Asp Val Phe Lys Ala Lys Asn Leu Ile Glu Val Met  
65 70 75 80  
Arg Lys Ser His Glu Ala Arg  
85

<210> 7726  
<211> 162  
<212> PRT  
<213> Homo sapiens

<400> 7726  
Met Gly Gln Ala Leu Arg Arg His Trp Gln Trp Glu Asp Asp Gln Tyr  
1 5 10 15  
Arg Arg Leu Asn Leu Ala Phe Lys Ala Phe Ile Lys His Trp Lys Met  
20 25 30  
Xaa Lys His Gly Pro Ile Gln Arg Val Gly Phe Arg Thr Pro Thr Ile  
35 40 45

Ile Ile Lys Glu Pro Arg  
50

<210> 7727

<211> 222

<212> PRT

<213> Homo sapiens

<400> 7727

Met Lys Met Ala Ile Leu Pro Lys Gly Ile Tyr Arg Phe Asn Ala Ile  
1 5 10 15  
Pro Ile Lys Leu Pro Ser Thr Phe Phe Thr Glu Leu Glu Lys Thr Asn  
20 25 30  
Leu Lys Phe Ile Trp Asn Gln Lys Thr Val His Ile Ala Lys Thr Ile  
35 40 45  
Leu Ser Lys Lys Lys Lys Ala Gly Gly Ile Thr Leu Ser Asn Phe Lys  
50 55 60  
Leu Tyr Tyr Lys Ser Thr Val Lys Lys Lys  
65 70

<210> 7728

<211> 165

<212> PRT

<213> Homo sapiens

<400> 7728

Met Asp Arg Arg Val Ile Thr Pro Tyr Gln Asp Gly Pro Asp Ile Ser  
1 5 10 15  
Tyr Leu Glu Val Glu Asp Gly Asp Ile Phe Leu Lys Glu Glu Ile Asn  
20 25 30  
Met Glu Gln Asn His Ser Glu Thr Met Phe Lys Lys Ala Lys Thr Lys  
35 40 45  
Ala Lys Lys Lys Pro Arg Lys  
50 55

<210> 7729

<211> 297

<212> PRT

<213> Homo sapiens

<400> 7729

Met Ser Arg Leu Leu Glu Pro Pro Thr Met Glu Val Leu Gly Met Thr  
1 5 10 15  
Asp Ser Glu Glu Asp Leu Asp Pro Met Glu Asp Phe Asp Ser Leu Glu  
20 25 30  
Cys Met Glu Gly Ser Asp Ala Leu Ala Leu Arg Leu Ala Cys Ile Gly  
35 40 45  
Asp Glu Met Asp Val Ser Leu Arg Ala Pro Arg Leu Ala Gln Leu Ser  
50 55 60  
Glu Xaa Ala Met His Ser Leu Gly Leu Ala Phe Ile Tyr Asp Gln Thr  
65 70 75 80  
Glu Asp Ile Arg Asp Xaa Leu Arg Ser Phe Met Asp Gly Phe Thr Thr  
85 90 95  
Leu Lys Xaa

<210> 7730  
 <211> 282  
 <212> PRT  
 <213> Homo sapiens

<400> 7730  
 Met Lys Arg Pro Ser Ser Val Lys Ser Leu Arg Ser Glu Arg Leu Ile  
 1 5 10 15  
 Arg Thr Ser Leu Asp Leu Glu Leu Asp Leu Gln Ala Thr Arg Thr Trp  
 20 25 30  
 His Ser Gln Leu Thr Gln Glu Ile Ser Val Leu Lys Glu Leu Lys Glu  
 35 40 45  
 Gln Leu Glu Gln Ala Lys Ser His Gly Glu Lys Glu Leu Pro Gln Trp  
 50 55 60  
 Leu Arg Glu Asp Glu Arg Phe Arg Leu Leu Leu Arg Met Leu Glu Lys  
 65 70 75 80  
 Arg Met Asp Arg Ala Glu Xaa Lys Gly Glu Leu Gln Thr Asp  
 85 90

<210> 7731  
 <211> 285  
 <212> PRT  
 <213> Homo sapiens

<400> 7731  
 Met Val Thr Ile Ala Gly Val Pro Ser Pro Xaa Ala Ser Arg Val Gly  
 1 5 10 15  
 Phe Gln Xaa Ile Ala Pro Lys Pro Leu Pro Ser Gln Gln Val Ser Ser  
 20 25 30  
 Thr Val Val Gln Gln Pro Ile Gln Gln Pro Gln Gln Pro Thr Gln Gln  
 35 40 45  
 Ser Val Val Ile Val Ser Gln Xaa Ala Gln Gln Gly Gln Thr Tyr Ala  
 50 55 60  
 Pro Ala Ile His Gln Ile Val Leu Ala Asn Pro Ala Ala Leu Pro Ala  
 65 70 75 80  
 Gly Gln Thr Val Gln Leu Thr Gly Gln Ala Asn Ile Thr Pro Ser  
 85 90 95

<210> 7732  
 <211> 156  
 <212> PRT  
 <213> Homo sapiens

<400> 7732  
 Met Lys Val Lys Glu Lys Lys Lys Thr Ala Asn Leu Glu Asn Phe Leu  
 1 5 10 15  
 Xaa Lys Asn Tyr Leu Lys Leu Ser Asp Pro Xaa Gln Gln Xaa Pro Pro  
 20 25 30  
 Gln Xaa Pro Phe Gln Val Xaa Pro Gly Leu Xaa Xaa Xaa Xaa Xaa Phe  
 35 40 45  
 Xaa Pro Val Pro  
 50

<210> 7733  
 <211> 228  
 <212> PRT  
 <213> Homo sapiens

<400> 7733  
 Met Ile Lys Thr Ala Leu Ile Asp Lys Ala Thr Lys Pro Gln Pro Gly  
 1 5 10 15  
 Arg Glu Ile Ile Asn Thr Ile Cys Arg Phe Leu Ile Ala Lys Gln Gly  
 20 25 30  
 Gly Pro Asn Ser Gly Asn Pro Leu Asn Xaa Phe Tyr Gln Cys Phe Val  
 35 40 45  
 Pro Glu Ile Arg Lys Tyr Leu Ala Arg Val Gly Leu Pro Phe Asn Val  
 50 55 60  
 Phe Leu Ile Leu Asp Asn Ala Pro Gly His Pro Ala  
 65 70 75

<210> 7734  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens

<400> 7734  
 Met Gln Val Asp Leu Ile Leu Trp Thr Ile His Phe Gln Leu Gly Ser  
 1 5 10 15  
 Ser Leu Thr Phe Asn Leu Lys His Gln Lys Thr Arg Leu Thr Ala Ala  
 20 25 30  
 Ser Ala Tyr Arg Gly Leu Phe Phe Ser Cys Asn Lys Lys Asn Arg Ser  
 35 40 45  
 Gly Gln Arg Pro Ser Ser Gln Gly Leu Ser Phe Phe Leu Ser His Gln  
 50 55 60  
 Pro Tyr His Val Gly Leu Ser Ser Leu Cys Leu Leu Pro His Asp Gly  
 65 70 75 80

<210> 7735  
 <211> 213  
 <212> PRT  
 <213> Homo sapiens

<400> 7735  
 Met Lys Thr Gly Leu Ser Gln Cys Phe Asn Leu Thr Arg Ala Val Ser  
 1 5 10 15  
 Trp Ser Thr Pro Arg Ser Leu Leu Val Pro Tyr Asp Ser Pro His Gln  
 20 25 30  
 Met Thr Leu Ala Lys Ser Arg Phe Leu Cys Gly Gln Gly Trp Leu Ala  
 35 40 45  
 Asp Trp Trp Lys Val Gly Trp Thr Lys Gly Gly His Val Ser Ser Gln  
 50 55 60  
 His Gln Phe Cys Thr Ser Ser  
 65 70

<210> 7736  
 <211> 177  
 <212> PRT

<213> Homo sapiens

<400> 7736

Met Ala Pro Glu Leu Glu Gly Gly Ser Xaa Gly Val Phe Gly Val Ala  
1 5 10 15  
Phe Leu Ala Arg Val Ala Leu Val Phe Tyr Gly Val Phe Gln Asp Arg  
20 25 30  
Thr Leu His Val Arg Tyr Thr Asp Ile Asp Tyr Gln Val Phe Xaa Asp  
35 40 45  
Ala Ala Arg Phe Val Thr Glu Gly Arg Ser Pro  
50 55

<210> 7737

<211> 390

<212> PRT

<213> Homo sapiens

<400> 7737

Met Pro Pro Thr Gln Ala Glu Ser Val Ile Arg Ser Ile Ile Arg Glu  
1 5 10 15  
Ile Gly Gln Glu Cys Ala Ala His Gly Glu Ile Val Ser Glu Thr Leu  
20 25 30  
Ile Ala Phe Met Val Lys Ala Val Val Leu Asp Pro Ser Asn Gly Phe  
35 40 45  
Asn Met Asp Arg Thr Leu Met Lys Ser Asp Val Gln Asn Leu Val Lys  
50 55 60  
Leu Cys Met Thr Arg Leu Leu Asp Thr Lys Asn Pro Ser Leu Asp Thr  
65 70 75 80  
Ile Lys Met Gln Val Tyr Phe Asp Met Asn Tyr Thr Asn Arg Val Glu  
85 90 95  
Phe Leu Glu Glu His His Arg Val Leu Glu Ser Arg Leu Gly Ser Val  
100 105 110  
Thr Arg Glu Ile Thr Asp Asn Arg Ala Cys Ala Lys Glu Glu Leu Glu  
115 120 125  
Ser Leu  
130

<210> 7738

<211> 285

<212> PRT

<213> Homo sapiens

<400> 7738

Met Ala Val Val Ile Arg Leu Leu Gly Leu Pro Phe Ile Ala Gly Pro  
1 5 10 15  
Val Asp Ile Arg His Phe Phe Thr Gly Leu Thr Ile Pro Asp Gly Gly  
20 25 30  
Val His Ile Ile Gly Gly Glu Ile Xaa Glu Ala Phe Ile Ile Phe Ala  
35 40 45  
Thr Xaa Glu Asp Ala Arg Arg Ala Ile Ser Arg Ser Gly Gly Phe Ile  
50 55 60  
Lys Asp Ser Ser Val Glu Leu Phe Leu Ser Ser Lys Ala Glu Met Gln  
65 70 75 80  
Lys Thr Ile Xaa Met Lys Arg Thr Asp Arg Val Gly Arg Gly Arg

85

90

95

<210> 7739  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 7739  
 Met Ala Gln Lys Lys Tyr Leu Gln Ala Lys Leu Thr Gln Phe Leu Arg  
 1 5 10 15  
 Glu Asp Arg Ile Gln Leu Trp Lys Pro Pro Tyr Thr Asp Glu Asn Lys  
 20 25 30  
 Lys Val Gly Leu Ala Leu Lys Asp Leu Ala Lys Gln Tyr Ser Asp Arg  
 35 40 45  
 Leu Glu Cys Cys Glu Asn Glu Val Glu Lys Val Ile Glu Glu Ile Arg  
 50 55 60  
 Cys Lys Ala Ile Glu Arg Gly Thr Gly Asn Asp Asn Tyr Arg Thr Thr  
 65 70 75 80  
 Gly Lys

<210> 7740  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7740  
 Met His Thr Cys Ser Leu Pro Cys Leu Leu Phe Ala Gln Leu Leu Glu  
 1 5 10 15  
 Phe Cys Ser Phe Pro Pro Asp Val Pro His Asn Cys Ala Pro Ile Val  
 20 25 30  
 Ser Val Arg Pro Pro Asn Ile Val Ala Ala Phe Glu Gly Cys Ser Val  
 35 40 45  
 Ala Thr Ala Leu Phe Pro Pro Leu Cys Ile Ser Thr Gly Asn  
 50 55 60

<210> 7741  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 7741  
 Met Ala Gly Thr Arg Gly Leu Met Leu Leu Gly Pro Gly Pro Val Ala  
 1 5 10 15  
 Gly Pro Arg Asp Val Gly Thr Cys Arg Gly Arg Gln Met Glu Ile Gln  
 20 25 30  
 Lys His Lys Asp Asn Lys Lys Leu Pro Gln Gly Ile Ile Ile Val Phe  
 35 40 45  
 Arg Leu Gln Thr His Thr Ser  
 50 55

<210> 7742  
 <211> 369  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 7742

Met Ala Pro Ala Arg Cys Phe Ser Ala Arg Leu Arg Thr Val Phe Gln  
 1 5 10 15  
 Gly Val Gly His Trp Ala Leu Ser Thr Xaa Ala Gly Leu Lys Pro Ser  
 20 25 30  
 Arg Leu Leu Pro Gln Arg Ala Ser Pro Arg Leu Leu Ser Val Ser Arg  
 35 40 45  
 Ala Asp Leu Ala Lys His Gln Glu Leu Pro Gly Lys Lys Leu Leu Ser  
 50 55 60  
 Glu Lys Lys Leu Lys Arg Tyr Phe Val Asp Tyr Arg Arg Val Leu Val  
 65 70 75 80  
 Cys Gly Gly Asn Gly Gly Ala Gly Ala Ser Cys Phe His Ser Glu Pro  
 85 90 95  
 Arg Lys Glu Phe Xaa Gly Pro Asp Gly Gly Asp Gly Gly Asn Gly Gly  
 100 105 110  
 His Val Xaa Leu Arg Val Asp Gln Gln Val Lys  
 115 120

&lt;210&gt; 7743

&lt;211&gt; 342

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7743

Met Tyr Arg Gly Glu Ala Leu Glu Asp Phe Thr Gly Pro Asp Cys Arg  
 1 5 10 15  
 Phe Val Asn Phe Lys Lys Gly Asp Pro Val Tyr Val Tyr Tyr Lys Leu  
 20 25 30  
 Ala Arg Gly Trp Pro Glu Val Trp Ala Gly Ser Val Gly Arg Thr Phe  
 35 40 45  
 Gly Tyr Phe Pro Lys Asp Leu Ile Gln Val Val His Glu Tyr Thr Lys  
 50 55 60  
 Glu Glu Leu Gln Val Pro Thr Asp Glu Thr Asp Phe Val Cys Phe Asp  
 65 70 75 80  
 Gly Gly Arg Asp Asp Phe His Asn Tyr Asn Val Glu Glu Leu Leu Gly  
 85 90 95  
 Phe Leu Glu Leu Tyr Asn Ser Ala Ala Thr Asp Ser Glu Lys Ala Val  
 100 105 110  
 Glu Lys

&lt;210&gt; 7744

&lt;211&gt; 399

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7744

Met Asp Ala Glu Thr Lys Lys Arg Ala Glu Glu Lys Ala Leu Ala Ile  
 1 5 10 15  
 Lys Glu Arg Ile Gly Tyr Pro Asp Asp Ile Val Ser Asn Asp Asn Lys  
 20 25 30  
 Leu Xaa Asn Xaa Tyr Leu Glu Leu Asn Tyr Lys Glu Asp Glu Tyr Phe  
 35 40 45  
 Glu Asn Ile Ile Gln Asn Leu Lys Phe Ser Gln Ser Lys Gln Leu Lys



50		55		60											
Lys	Leu	Arg	Glu	Lys	Xaa	Asp	Lys	Asp	Glu	Trp	Ile	Ser	Gly	Ala	Ala
65				70					75						80
Val	Val	Asn	Ala	Phe	Tyr	Ser	Ser	Gly	Arg	Asn	Gln	Ile	Val	Phe	Pro
				85					90					95	
Ala	Gly	Ile	Leu	Gln	Pro	Pro	Phe	Phe	Ser	Ala	Gln	Gln	Ser	Asn	Ser
			100					105					110		
Leu	Asn	Tyr	Gly	Gly	Ile	Gly	Met	Val	Ile	Gly	His	Glu	Ile	Thr	His
		115					120					125			
Gly	Phe	Asp	Asp	Asn											
130															

<210> 7745  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 7745
Met Val Leu Leu Ala Ala Ala Val Cys Thr Lys Ala Gly Lys Ala Ile
1 5 10 15
Val Ser Arg Gln Phe Val Glu Met Thr Arg Thr Arg Ile Glu Gly Leu
20 25 30
Leu Ala Ala Phe Pro Lys Leu Met Asn Thr Gly Lys Gln His Thr Phe
35 40 45
Val Glu Thr Glu Ser Val Arg Tyr Val Tyr Gln Arg
50 55 60

<210> 7746  
 <211> 384  
 <212> PRT  
 <213> Homo sapiens

<400> 7746
Met His Cys Trp Gln Gly Trp Asn Met Lys Lys Glu Lys Asn Phe Ile
1 5 10 15
Tyr Leu Arg Gln Lys Thr Xaa Thr Thr Leu Xaa Gln Ser Gly Cys Val
20 25 30
Glu Asp Lys Thr Ile Ser Asp Gln Glu Ser Phe Arg Glu Val Ile Thr
35 40 45
Ala Met Asp Val Met Gln Phe Ser Lys Glu Glu Val Trp Glu Val Ser
50 55 60
Arg Leu Leu Ala Gly Ile Leu His Leu Gly Asn Ile Glu Phe Ile Thr
65 70 75 80
Ala Gly Gly Ala Gln Val Ser Phe Lys Thr Ala Leu Gly Arg Ser Ala
85 90 95
Glu Leu Leu Gly Leu Asp Pro Thr Gln Leu Thr Asp Ala Leu Thr Gln
100 105 110
Arg Ser Met Phe Leu Arg Gly Glu Glu Ile Leu Thr Pro Leu Asn Val
115 120 125

<210> 7747  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7747

Met	Val	Gln	Lys	Ser	Val	Ser	Lys	Thr	Leu	Pro	Ser	Thr	Trp	Ser	Asp
1			5						10					15	
Pro	Ser	Val	Asn	Ile	Ser	Leu	Asp	Asn	Leu	Leu	Pro	Gly	Met	Gln	Pro
		20					25						30		
Ser	Lys	Pro	Gln	Gln	Pro	Ser	Leu	Asn	Thr	Met	Ile	Gln	Gln	Gln	Asn
	35					40						45			
Met	Gln	Xaa	Pro	Met	Asn	Val	Met	Thr	Gln	Ser	Phe	Gly	Ala		
	50					55					60				

<210> 7748

<211> 387

<212> PRT

<213> Homo sapiens

<400> 7748

Met	Ala	Val	Ala	Arg	Val	Asp	Ala	Ala	Leu	Pro	Pro	Gly	Glu	Gly	Ser
1			5						10					15	
Val	Val	Asn	Trp	Ser	Gly	Gln	Gly	Leu	Gln	Lys	Leu	Gly	Pro	Asn	Leu
		20					25						30		
Pro	Cys	Glu	Ala	Asp	Ile	His	Thr	Leu	Ile	Leu	Asp	Lys	Asn	Gln	Ile
	35					40						45			
Ile	Lys	Leu	Glu	Asn	Leu	Glu	Lys	Cys	Lys	Arg	Leu	Ile	Gln	Leu	Ser
	50				55						60				
Val	Ala	Asn	Asn	Arg	Leu	Val	Arg	Met	Met	Gly	Val	Ala	Lys	Leu	Thr
65				70					75						80
Leu	Leu	Arg	Val	Leu	Asn	Leu	Pro	His	Asn	Ser	Ile	Gly	Cys	Val	Glu
			85				90						95		
Gly	Leu	Lys	Glu	Leu	Val	Xaa	Leu	Glu	Trp	Leu	Asn	Leu	Ala	Gly	Asn
		100					105					110			
Asn	Leu	Lys	Ala	Met	Xaa	Gln	Ile	Asn	Ser	Cys	Thr	Ala	Leu	Gln	His
	115						120					125			
Leu															

<210> 7749

<211> 297

<212> PRT

<213> Homo sapiens

<400> 7749

Met	Val	Val	Ser	Xaa	Val	Asp	Ile	Ala	Lys	Xaa	Asp	Pro	Ala	Ala	Ala
1			5						10					15	
Ser	His	Pro	Leu	Xaa	Leu	Xaa	Gly	Asp	Ala	Thr	Val	Ala	Gln	Xaa	Asn
		20					25						30		
Pro	Gly	Ser	Val	Ala	Asp	Asn	Asn	Leu	Cys	Ser	Gln	Tyr	Glu	Glu	Lys
	35					40					45				
Val	Arg	Pro	Cys	Ile	Asp	Leu	Ile	Asp	Ser	Leu	Xaa	Ala	Leu	Gly	Val
	50					55				60					
Glu	Gln	Asp	Leu	Ala	Leu	Pro	Ala	Ile	Ala	Val	Ile	Gly	Asp	Gln	Ser
65				70					75						80
Ser	Gly	Lys	Xaa	Ser	Val	Leu	Glu	Ala	Leu	Ser	Gly	Val	Ala	Leu	Pro
			85						90					95	
Arg	Gly	Ser													

<210> 7750  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens

<400> 7750  
 Met Phe Leu Ala Lys Ala Leu Leu Glu Gly Ala Asp Arg Gly Leu Gly  
 1 5 10 15  
 Glu Ala Leu Gly Gly Leu Phe Gly Gly Gly Gly Gln Arg Arg Glu Gly  
 20 25 30  
 Gly Gly Arg Asn Ile Gly Gly Ile Val Gly Gly Ile Val Asn Phe Ile  
 35 40 45  
 Ser Glu Ala Ala Ala Ala Gln Tyr Thr Pro Glu Pro Pro Pro Thr Gln  
 50 55 60  
 Gln His Phe Thr Ser Val Glu Ala Ser Glu Ser Glu Glu Val Arg Leu  
 65 70 75 80

<210> 7751  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens

<400> 7751  
 Met Ser Met Lys Ile Lys Val Leu Lys Gln Phe Cys Ser Arg Pro Ile  
 1 5 10 15  
 Lys Leu Glu Tyr Ala Arg Leu Val Lys Leu Ala Gln Glu Asp Thr Pro  
 20 25 30  
 Pro Glu Thr Asp Tyr Arg Leu His Val Val Val Tyr Phe Ile Gln  
 35 40 45  
 Asn Gln Pro  
 50

<210> 7752  
 <211> 228  
 <212> PRT  
 <213> Homo sapiens

<400> 7752  
 Met Ala Arg Arg Leu Leu Gly Ala Asp Ser Ala Thr Val Phe Asn Ile  
 1 5 10 15  
 Gln Glu Pro Glu Glu Glu Thr Ala Asn Gln Glu Tyr Lys Val Ser Ser  
 20 25 30  
 Cys Glu Gln Arg Leu Ile Ser Glu Ile Glu Tyr Arg Leu Glu Arg Ser  
 35 40 45  
 Pro Val Asp Glu Ser Gly Asp Glu Val Gln Tyr Gly Asp Val Pro Val  
 50 55 60  
 Glu Asn Gly Met Ala Pro Xaa Phe Glu Met Lys Pro  
 65 70 75

<210> 7753  
 <211> 366  
 <212> PRT  
 <213> Homo sapiens

<400> 7753

Met	Gln	Arg	Ala	Asp	Ser	Glu	Gln	Pro	Ser	Lys	Arg	Pro	Arg	Cys	Asp
1			5						10					15	
Asp	Ser	Pro	Arg	Thr	Pro	Ser	Asn	Thr	Pro	Ser	Ala	Glu	Ala	Asp	Trp
		20					25					30			
Ser	Pro	Gly	Leu	Glu	Leu	His	Pro	Asp	Tyr	Lys	Thr	Trp	Gly	Pro	Glu
	35					40					45				
Gln	Val	Cys	Ser	Phe	Leu	Arg	Arg	Gly	Gly	Phe	Glu	Glu	Pro	Val	Leu
	50				55					60					
Leu	Lys	Asn	Ile	Arg	Glu	Asn	Glu	Ile	Thr	Gly	Ala	Leu	Leu	Pro	Cys
65				70					75					80	
Leu	Asp	Glu	Ser	Arg	Phe	Glu	Asn	Leu	Gly	Val	Ser	Ser	Leu	Gly	Glu
		85					90						95		
Arg	Lys	Lys	Leu	Leu	Ser	Tyr	Ile	Gln	Arg	Leu	Val	Gln	Ile	His	Val
		100					105						110		
Asp	Thr	Met	Lys	Val	Ile	Asn	Asp	Pro	Ile						
	115						120								

<210> 7754

<211> 273

<212> PRT

<213> Homo sapiens

<400> 7754

Met	Ser	Glu	Ala	Gly	Ile	Leu	Tyr	Ser	Arg	Leu	Ser	His	Met	Ala	Xaa
1			5					10					15		
Ala	Gly	Arg	Xaa	Pro	Thr	Pro	Xaa	Ala	Pro	Gly	Leu	Trp	Lys	Trp	Ser
		20					25					30			
Pro	Arg	Ser	His	Arg	Met	Pro	Xaa	His	Pro	Lys	Asn	Thr	Ser	Arg	Asn
	35				40						45				
Ala	Ala	Pro	Asn	Arg	Cys	Ser	Phe	Val	Cys	Leu	Glu	Ala	Ser	Arg	Phe
	50			55						60					
His	Pro	His	Asn	Thr	Leu	Pro	Leu	Asn	Ser	Xaa	Asn	Ser	Tyr	Gln	Met
65			70					75						80	
Ala	Ala	Ala	Pro	Thr	Ala	Pro	Gln	Ser	Pro	Xaa					
		85					90								

<210> 7755

<211> 216

<212> PRT

<213> Homo sapiens

<400> 7755

Met	Ile	Ile	Ser	Ile	Asp	Ala	Glu	Lys	Ala	Phe	Asn	Lys	Ile	Gln	Gln
1			5					10						15	
Cys	Phe	Met	Leu	Lys	Thr	Leu	Asn	Asn	Leu	Gly	Ile	Asp	Gly	Thr	Asn
		20					25					30			
Leu	Lys	Ile	Ile	Arg	Ala	Ile	Tyr	Asp	Lys	Pro	Thr	Ala	Asn	Ile	Ile
	35					40					45				
Leu	Asn	Gly	Gln	Lys	Leu	Glu	Ala	Phe	Pro	Leu	Lys	Thr	Gly	Ile	Arg
	50				55					60					
Gln	Gly	Cys	His	Leu	Ser	Pro	Leu								
65				70											

<210> 7756  
 <211> 270  
 <212> PRT  
 <213> Homo sapiens

<400> 7756  
 Met Val Met Val Ala Asn Lys Lys Ser Gln Asp Gln Met Thr Glu Asp  
 1 5 10 15  
 Leu Ser Leu Phe Leu Gly Asn Asn Thr Ile Arg Phe Thr Val Trp Leu  
 20 25 30  
 His Gly Val Leu Asp Lys Leu Arg Ser Val Thr Thr Glu Pro Ser Ser  
 35 40 45  
 Leu Lys Ser Ser Asp Thr Asn Ile Phe Asp Ser Asn Val Pro Ser Asn  
 50 55 60  
 Lys Ser Asn Phe Ser Arg Gly Asp Glu Arg Arg His Glu Ala Ala Val  
 65 70 75 80  
 Pro Pro Leu Ala Xaa Pro Ser Ala Arg Pro  
 85 90

<210> 7757  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens

<400> 7757  
 Met Xaa Asn Gln Val Leu Gly Tyr Lys Asp Leu Ala Ala Ile Pro Lys  
 1 5 10 15  
 Asp Lys Ala Ile Leu Asp Ile Glu Arg Pro Asp Leu Met Ile Tyr Glu  
 20 25 30  
 Pro His Phe Thr Tyr Xaa Leu Leu Glu His Val Glu Leu Pro Arg Ser  
 35 40 45  
 Arg Glu Arg Ser Leu Ser Pro Lys Ser Thr Ser Pro Pro Thr  
 50 55 60

<210> 7758  
 <211> 273  
 <212> PRT  
 <213> Homo sapiens

<400> 7758  
 Met Ile Ser Asp Arg Asn Ser Arg Arg Ser Lys Gly Ile Ala Tyr Val  
 1 5 10 15  
 Glu Phe Val Asp Val Ser Ser Val Pro Leu Ala Ile Gly Leu Thr Gly  
 20 25 30  
 Xaa Arg Val Leu Gly Val Pro Ile Ile Val Gln Ala Ser Gln Val Ile  
 35 40 45  
 Phe Leu Leu Val Lys Ser Leu Ile Ile Gly Gly Val Glu Ser Leu Leu  
 50 55 60  
 Leu His Gly Ile Val Leu Leu Cys Ser Val Thr Ala Ala His Tyr Val  
 65 70 75 80  
 Glu Ser Asp Val Phe Arg Thr Phe Phe Phe Phe  
 85 90

<210> 7759  
 <211> 228  
 <212> PRT  
 <213> Homo sapiens

<400> 7759  
 Met Asp Thr Asp Ile Tyr Val Asn Pro Lys Thr Tyr Asn Arg Ala Gln  
 1 5 10 15  
 Asp Ile Gln Gly Ile Lys Ile Ile Thr Tyr Cys Ser Pro Leu Tyr Phe  
 20 25 30  
 Ala Asn Ser Glu Ile Phe Arg Gln Lys Val Ile Ala Lys Thr Gly Met  
 35 40 45  
 Xaa Pro Gln Lys Val Leu Xaa Ala Lys Gln Lys Ile Pro Gln Glu Ala  
 50 55 60  
 Gly Glu Ala Glu Asn Glu Ala His Thr Thr Glu Glu  
 65 70 75

<210> 7760  
 <211> 333  
 <212> PRT  
 <213> Homo sapiens

<400> 7760  
 Met Gly Lys Ile Leu Pro Glu Tyr Leu Ser Asn Trp Thr Met Gly Lys  
 1 5 10 15  
 Val Arg Arg Glu Gly Val Lys Val Met Pro Asn Ala Ile Val Gln Ser  
 20 25 30  
 Val Gly Val Ser Ser Gly Lys Leu Ile Lys Leu Lys Asp Gly Arg  
 35 40 45  
 Lys Val Glu Thr Asp His Ile Val Ala Ala Val Gly Leu Glu Pro Asn  
 50 55 60  
 Val Glu Leu Ala Lys Thr Gly Gly Leu Glu Ile Asp Ser Asp Phe Gly  
 65 70 75 80  
 Gly Phe Arg Val Asn Ala Glu Leu Gln Ala Arg Ser Asn Ile Trp Val  
 85 90 95  
 Ala Gly Asp Ala Ala Cys Phe Tyr Asp Ile Lys Leu Gly Arg Xaa  
 100 105 110

<210> 7761  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 7761  
 Met Ser Ser Val Ile Asn Thr Leu Ser Cys Cys Asn Leu Arg Phe Ile  
 1 5 10 15  
 Ser Leu Glu Gln Leu Ile Leu Met Ala Ser Lys Met Trp Asp Val Leu  
 20 25 30  
 Tyr Ser Thr Asn Gly Arg Leu Ser Ile Ser Ser Thr Phe Ser Val Pro  
 35 40 45  
 Leu Ser Ser Arg Ala Thr  
 50

<210> 7762

<211> 249  
 <212> PRT  
 <213> Homo sapiens

<400> 7762  
 Met Met Asn Thr Leu Tyr Lys Leu His Asp Arg Leu Ala Gln Leu Ala  
 1 5 10 15  
 Gly Asp His Glu Cys Gly Ser Ser Ser Gln Arg Xaa Leu Ser Val Gln  
 20 25 30  
 Glu Ala Ala Tyr Leu Lys Asp Leu Gly Pro Glu Tyr Glu Gly Ile  
 35 40 45  
 Phe Asn Thr Ser Leu Gln Trp Ile Leu Glu Asn Gly Lys Asp Val Gly  
 50 55 60  
 Ile Arg Cys Val Gly Phe Gly Pro Glu Glu Glu Leu Xaa Asn Ile Thr  
 65 70 75 80  
 Asp Val Gln

<210> 7763  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7763  
 Met Leu Ser Cys Leu Lys Gln His Pro Cys Cys Asp Leu Tyr Leu Leu  
 1 5 10 15  
 Pro Pro Leu Pro Asp Ile Cys Thr Val His Phe Xaa Pro Xaa Phe Arg  
 20 25 30  
 Thr Cys Ser Asn Val Ile Phe Ser Asp Arg Thr Phe Leu Thr Arg Xaa  
 35 40 45  
 Leu Arg Ile Val Ser  
 50

<210> 7764  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 7764  
 Met Lys Leu Asp Ser Tyr Val Ile Leu His Ala Asn Ile Asn Ser Lys  
 1 5 10 15  
 Trp Ile Lys Val Leu Asn Ile Lys Pro Glu Ala Ile Lys Arg Leu Asp  
 20 25 30  
 Lys Asn Met Gly Glu Asn Ile Leu Asp Ile Val Leu Ala Asn Asp Leu  
 35 40 45  
 Leu Asp Met Thr Pro Lys Trp Asp Tyr Thr Lys Trp Asp Tyr Ile Lys  
 50 55 60  
 Leu Lys Thr Ser Cys Thr Gly Arg Val Arg Trp Leu Thr Pro Val Val  
 65 70 75 80  
 Pro Ala

<210> 7765  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 7765

Met Leu Ser Pro Gly Arg Arg Arg Ala Gly Ala Leu Pro His Val Arg  
 1 5 10 15  
 Gly Xaa Ala Ala Gly Gln Ser Leu Glu Pro Val Ser Val Ser Ser Gly  
 20 25 30  
 Val Trp Leu Phe Xaa Gln Ala Phe Pro Ala Val Lys Glu Thr Ala Arg  
 35 40 45  
 Ser Lys Leu Xaa Glu Leu Lys Glu Pro Xaa Thr Glu Ala Ser Pro Ser  
 50 55 60  
 Ser Glu  
 65

&lt;210&gt; 7766

&lt;211&gt; 192

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7766

Met Leu Arg Ser Met Leu Thr Ser Pro Trp Gln Ser Glu Glu Glu Gly  
 1 5 10 15  
 Ser Trp Leu Arg Glu Tyr Pro Val Thr Leu Met Gln Phe Phe Arg Tyr  
 20 25 30  
 Xaa Tyr His Asn Val Pro Asp Leu Ala Ser Met Trp Met Ser Pro Asp  
 35 40 45  
 Phe Leu Cys Ala Leu Ala Ala Thr Val Phe Pro Phe Asn Ile Arg Pro  
 50 55 60

&lt;210&gt; 7767

&lt;211&gt; 291

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7767

Met Ala His Lys Ile Gly Pro Pro Met Leu Phe Phe Phe Leu Ser Leu  
 1 5 10 15  
 Phe Asn Tyr Leu Leu Arg Leu Ser Lys Ala Lys Gly Asn Cys Glu Ile  
 20 25 30  
 Lys Ser Val Lys Tyr Asn Asn Ile Phe Lys Arg Lys Trp Ile Pro Leu  
 35 40 45  
 Phe Leu Phe Ala Thr Glu Lys Ala Pro Arg Arg Xaa Arg Leu Cys Arg  
 50 55 60  
 Ile Ser Lys Gln Thr Met Met Xaa Trp Arg Xaa Val Gln Pro Phe Lys  
 65 70 75 80  
 Glu Arg Xaa Val Lys Gln Pro Gly Glu Arg Pro Gly Gly Glu Glu Ser  
 85 90 95  
 Glu

&lt;210&gt; 7768

&lt;211&gt; 201

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7768



Met Ala Asp Gly Ala Arg Glu Val Gly Asn Met Thr Gly Thr Thr Glu  
 1 5 10 15  
 Ile Asn Ser Asp Gln Gly Leu Glu Lys Asp Asn Ser Glu Leu Gly Ser  
 20 25 30  
 Glu Thr Arg Tyr Pro Leu Leu Leu Pro Lys Gly Val Val Leu Lys Leu  
 35 40 45  
 Lys Pro Val Ala Asp Arg Phe Pro Lys Lys Ala Trp Arg Gln Lys Arg  
 50 55 60  
 Ser Ser Val  
 65

<210> 7769  
 <211> 168  
 <212> PRT  
 <213> Homo sapiens

<400> 7769  
 Met Gly Phe Pro Ala Asp Lys Asp Trp Glu Asp Ile Arg Lys Xaa Pro  
 1 5 10 15  
 Glu Tyr Pro Thr Leu Gln Lys Asp Phe Arg Arg Thr Thr Tyr Ala Asn  
 20 25 30  
 Ser Ser Leu Ile Lys Tyr Met Glu Lys His Lys Val Lys Pro Asp Ser  
 35 40 45  
 Lys Val Phe Leu Leu Leu Gln Lys  
 50 55

<210> 7770  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 7770  
 Met Gly Asp Thr Ile His Cys Lys Xaa Thr Thr Ala Gly Gly Val Ser  
 1 5 10 15  
 Ile Gly Trp Xaa Xaa Arg Gly Val Cys Arg Gly Ala Trp Ala Ala Pro  
 20 25 30  
 Arg Trp Ala Leu Pro Ser Glu Val Cys Glu Arg Gly Thr Arg Met Tyr  
 35 40 45  
 Gln Val Glu Lys His Trp Ala Glu Pro Gln Glu Ala Asn Arg Arg Gly  
 50 55 60  
 Glu Ser Gly Arg Pro  
 65

<210> 7771  
 <211> 183  
 <212> PRT  
 <213> Homo sapiens

<400> 7771  
 Met Cys His Ile Ala Cys Phe Phe Thr Val His Val Xaa Thr Lys Lys  
 1 5 10 15  
 Arg Glu Asp Gly Ala Ser Met Leu Asn Met Pro Gly Pro Gln Val Ala  
 20 25 30  
 Phe Ser Tyr Trp His Ser Cys Gln His Ser Ser Met Gln Ala Ser Ser

35                      40                      45  
 Leu Leu Ile Tyr Val Cys Ser Ser Thr Phe Gln Ala Thr  
   50                      55                      60

<210> 7772  
 <211> 285  
 <212> PRT  
 <213> Homo sapiens

<400> 7772  
 Met Ala Ala Asn Leu Ser Arg Asn Gly Pro Ala Leu Gln Glu Ala Tyr  
 1                      5                      10                      15  
 Val Arg Val Val Thr Glu Lys Ser Pro Thr Asp Trp Ala Leu Phe Thr  
                     20                      25                      30  
 Tyr Glu Gly Asn Ser Asn Asp Ile Arg Val Ala Gly Thr Gly Glu Gly  
                     35                      40                      45  
 Gly Leu Glu Glu Met Val Glu Glu Leu Asn Ser Gly Lys Val Met Tyr  
                     50                      55                      60  
 Ala Phe Cys Arg Val Lys Asp Pro Asn Ser Gly Leu Pro Lys Phe Val  
 65                      70                      75                      80  
 Leu Ile Asn Trp Thr Gly Glu Gly Val Asn Asp Val Arg Thr Gly  
                     85                      90                      95

<210> 7773  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 7773  
 Met Thr Arg Glu Asn Val Ala His Asn Ala Leu Arg Gln Glu Gly Leu  
 1                      5                      10                      15  
 Val Lys Gly Lys Asp Asp Thr Trp Lys Trp Gly Thr Ser Phe Gln Gly  
                     20                      25                      30  
 Ser Ser Ser Ser Val Trp Glu Thr Ser His Leu His Phe Arg Gln Leu  
                     35                      40                      45  
 Arg Tyr His Glu Thr Ser Gly Pro Gln Glu Ala Leu Ser Arg Leu Arg  
                     50                      55                      60  
 Glu Leu Cys Arg Arg  
 65

<210> 7774  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<400> 7774  
 Met Val Glu Arg His Ala Gly Leu Lys Ser Ser Val Cys Glu Glu Phe  
 1                      5                      10                      15  
 Glu Ile Gly Ala Gly Trp Cys Ala Thr Val Gly Asn Gly Arg Gly Arg  
                     20                      25                      30  
 Val Cys Ala Val Ile Thr Ala Leu Phe Pro Leu Thr Ser Asn Leu Glu  
                     35                      40                      45  
 Ser Xaa Ile Lys Ile Tyr  
 50

<210> 7775  
 <211> 225  
 <212> PRT  
 <213> Homo sapiens

<400> 7775  
 Met Ala Glu Pro Ala Ser Val Ala Ala Glu Ser Leu Ala Gly Ser Arg  
 1 5 10 15  
 Ala Arg Ala Ala Arg Thr Val Leu Gly Gln Val Val Leu Pro Gly Glu  
 20 25 30  
 Glu Leu Leu Leu Pro Glu Gln Glu Asp Ala Glu Gly Pro Gly Gly Ala  
 35 40 45  
 Val Xaa Arg Pro Leu Ser Xaa Asn Ala Arg Ala Cys Ser Arg Val Arg  
 50 55 60  
 Val Val Cys Gly Pro Gly Leu Arg Arg Cys Gly  
 65 70 75

<210> 7776  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 7776  
 Met Thr Asp Leu Ser Xaa His Ala Trp Pro Val Asn Tyr Phe Tyr Lys  
 1 5 10 15  
 Val Glu Met Ser Phe Phe Cys Val Xaa Tyr Leu Ser Cys Phe Phe Arg  
 20 25 30  
 Tyr Lys Ile Leu Cys Val Cys Met Xaa Val Cys Val His Thr Thr His  
 35 40 45  
 Ile Leu Ser Ala Ser  
 50

<210> 7777  
 <211> 240  
 <212> PRT  
 <213> Homo sapiens

<400> 7777  
 Met Ile Lys Trp Arg Thr Leu Gly Ser Gln Gln Arg Gly Ile Lys Ala  
 1 5 10 15  
 Trp Ile Met Ile Thr Ser Val Phe His Val Thr Leu Lys Ala Ala Gly  
 20 25 30  
 Leu Glu Pro Ser Trp Pro Cys Ser Leu Leu Gly Thr Ala Gly Leu Met  
 35 40 45  
 Ser Thr Ser Ile Xaa Ile Cys Phe Cys Xaa Ala Gly Arg Pro Trp Arg  
 50 55 60  
 Pro Leu Leu Ala Leu Glu Leu Tyr Ile Leu Ser Tyr Ser Ile Arg Ile  
 65 70 75 80

<210> 7778  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

004220" 65667550

&lt;400&gt; 7778

Met Leu Trp Cys Leu Trp Arg Met Xaa Ser Ala Ala Gly Ser Val Met  
 1 5 10 15  
 Gly Thr Asp Xaa Ala Xaa Arg Leu Leu Xaa Ser Thr Ser Gly Ala Asp  
 20 25 30  
 Thr Ile Asn Ala Gly Lys Ser Gln Ser Phe Asn Ile Phe Met Thr Ser  
 35 40 45  
 Xaa Ser Phe Ala Ser Ile Ser Ile Phe Ser Cys Ser Arg Leu Thr Phe  
 50 55 60  
 Lys Thr Lys His Leu Ser Leu Thr Cys Cys Phe Asn Tyr Leu Ser Ile  
 65 70 75 80  
 Leu Pro

&lt;210&gt; 7779

&lt;211&gt; 186

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7779

Met Val Pro Xaa Pro Phe Ser Xaa Xaa Xaa Lys Gly Asn Ser Ala Phe  
 1 5 10 15  
 Phe Val Cys Glu Cys Val Ser Val Cys Lys Cys Val Cys Val Gln Ser  
 20 25 30  
 Pro Gln His Arg Thr Pro Thr His Ala Pro Thr His Met Gln Thr Arg  
 35 40 45  
 Thr Tyr Ser Cys Met Asp Ser Cys Ser Arg Ser Thr His Arg  
 50 55 60

&lt;210&gt; 7780

&lt;211&gt; 156

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7780

Met Tyr Pro Ser Lys Asp Thr His Val Leu Ile Pro Lys Thr Cys Ala  
 1 5 10 15  
 Tyr Val Ala Leu Asp Gly Lys Leu Asp Phe Ala Asn Leu Ile Lys Asp  
 20 25 30  
 Leu Ala Met Gly Arg Leu Ser Trp Ile Thr Gly Leu Ala Gln Cys Asp  
 35 40 45  
 His Lys Gly Ser  
 50

&lt;210&gt; 7781

&lt;211&gt; 204

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7781

Met Val Ala Gly Arg Arg Ser Ser Asp Arg Arg Glu Xaa Leu Pro Leu  
 1 5 10 15  
 Leu Ser Cys Asp Pro Lys Gln Gly Ile Asp Thr Cys Gly Arg Leu Arg  
 20 25 30

Cys Arg Ile Leu Ile Pro Thr Gly Phe Glu His Phe Gly Asp Leu Gln  
           35                  40                  45  
 Cys Arg His Pro Xaa Asp Ile Val Lys Val Ala Ile Xaa Trp Pro Gly  
           50                  55                  60  
 Ala Tyr Pro Lys  
           65

<210> 7782

<211> 180

<212> PRT

<213> Homo sapiens

<400> 7782

Met Val Tyr Ile Thr Ile Phe Ser Ser Val Val Ser Ser Ile Thr Xaa  
   1                  5                  10                  15  
 Met Leu Arg Asn Ser Cys Leu Ser Glu Ile Arg Tyr Ser Pro Val Phe  
           20                  25                  30  
 Ser Phe Gly Ile Cys Leu Phe Ile Tyr Tyr Leu Ser Phe Pro Leu Arg  
           35                  40                  45  
 Val Ser Arg Leu Ser Leu Trp Gly Lys Ser Gly His  
           50                  55                  60

<210> 7783

<211> 159

<212> PRT

<213> Homo sapiens

<400> 7783

Met Thr Arg Gly Cys Trp Glu Gly Arg Ala Leu Leu Arg Xaa His Gly  
   1                  5                  10                  15  
 Ile Leu Xaa His Gln Gly Asn Thr Val Val Pro Gly Ser Ser Gly Cys  
           20                  25                  30  
 Ser Trp Gly Glu Ser Gly Leu Ser Phe Arg Arg Pro Gly Lys Gly Ala  
           35                  40                  45  
 Ser Cys His Arg Leu  
           50

<210> 7784

<211> 249

<212> PRT

<213> Homo sapiens

<400> 7784

Met Leu Ile Val Tyr Ile Val Met Gly Leu Ala Gly Gly Tyr Trp Thr  
   1                  5                  10                  15  
 Lys Gln Pro Leu Pro Pro Phe Phe Phe Leu Arg Arg Ser Leu Ser Leu  
           20                  25                  30  
 Ser Arg Leu Glu Cys Ile Gly Ala Ile Ser Ser His Cys Asn Leu Cys  
           35                  40                  45  
 Arg Pro Gly Ser Ser Asp Phe Leu Ala Ser Ala Ser Gln Val Ala Gly  
           50                  55                  60  
 Ile Thr Gly Ala Cys His Cys Ala Arg Leu Ile Phe Val Phe Leu Val  
   65                  70                  75                  80  
 Glu Thr Gly

<210> 7785  
 <211> 261  
 <212> PRT  
 <213> Homo sapiens

<400> 7785  
 Met Xaa Met Asp Arg Asp Leu Gly Asp Glu Tyr Gly Trp Lys Gln Val  
 1 5 10 15  
 His Gly Asp Val Phe Arg Pro Ser Ser His Pro Leu Ile Phe Ser Ser  
 20 25 30  
 Leu Ile Gly Ser Gly Cys Gln Ile Phe Ala Val Ser Leu Ile Val Ile  
 35 40 45  
 Ile Val Ala Met Ile Glu Xaa Leu Tyr Thr Glu Arg Gly Ser Met Leu  
 50 55 60  
 Ser Thr Ala Ile Phe Val Tyr Ala Xaa Xaa Ser Pro Ser Glu Trp Leu  
 65 70 75 80  
 Phe Trp Arg Lys Ser Val Cys  
 85

<210> 7786  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 7786  
 Met Tyr Gly Leu Xaa Xaa Asp Tyr His Ser Glu Ala Asn Gln Tyr Val  
 1 5 10 15  
 Arg Gln Leu Thr Ser Val Pro Val Phe Leu Cys Val Phe Val Cys Val  
 20 25 30  
 Val Arg Lys Pro Val Ile Tyr Ser Gln Gln Ile Ser Ser Thr Gln Ser  
 35 40 45  
 Ile Val Ile Asn Tyr Arg Pro  
 50 55

<210> 7787  
 <211> 234  
 <212> PRT  
 <213> Homo sapiens

<400> 7787  
 Met Ala Ser Phe Xaa Ala Ile Glu Asp Leu Gln Val Glu Ala Asp Phe  
 1 5 10 15  
 Pro Val Tyr Phe Glu Glu Leu Arg Lys Val Leu Val Lys Val Asp Glu  
 20 25 30  
 Tyr His Ser Val His Gln Lys Leu Ser Ala Asp Met Ala Asp His Ser  
 35 40 45  
 Asn Leu Ile Arg Ser Xaa Leu Val Gly Ala Glu Xaa Ala Arg Leu Met  
 50 55 60  
 Arg Xaa Met Lys Thr Met Lys Ser Arg Xaa Met Glu Leu Tyr  
 65 70 75

<210> 7788  
 <211> 255

<212> PRT  
<213> Homo sapiens

<400> 7788

```

Met Lys Xaa Gly Xaa Xaa Xaa Ala Xaa Ile Asn Xaa Xaa Ala Phe
1          5          10          15
Tyr Asn Ser Gln Lys Phe Glu Val Leu Tyr Cys Gly Lys Val Thr Val
          20          25          30
Thr His Lys Lys Ala Pro Ser Ser Leu Ile Xaa Asp Cys Met Glu Lys
          35          40          45
Phe Ser Leu His Glu Gln Gln Arg Leu Lys Ile Gln Gly Glu Gln Arg
          50          55          60
Gly Pro Xaa Xaa Gly Glu Asp Xaa Ala Asp Xaa Glu Val Val Val Pro
65          70          75          80
Gly Ser Pro Gly Arg
          85

```

<210> 7789  
<211> 282  
<212> PRT  
<213> Homo sapiens

<400> 7789

```

Met Pro Ser Gln Xaa Asn Ser Glu Leu Val Arg Gly Xaa Leu Ala Ala
1          5          10          15
Pro Gly Gly Gly Glu Arg Tyr Ser Arg Ser Ala Gly Met Tyr Met Gln
          20          25          30
Ser Gly Ser Asp Phe Asn Cys Gly Val Met Arg Gly Cys Gly Leu Ala
          35          40          45
Pro Ser Leu Ser Lys Arg Asp Glu Gly Ser Ser Pro Ser Xaa Ala Leu
          50          55          60
Asn Xaa Tyr Pro Ser Tyr Leu Ser Gln Leu Asp Ser Trp Gly Asp Pro
65          70          75          80
Lys Ala Ala Tyr Arg Xaa Glu Xaa Pro Val Gly Arg Pro Leu
          85          90

```

<210> 7790  
<211> 201  
<212> PRT  
<213> Homo sapiens

<400> 7790

```

Met Cys Asp Leu Val Leu Cys Asn Ile Ile Thr Cys Val Asn Ser Ser
1          5          10          15
Glu His Tyr Ser Gln Xaa Tyr Arg Val Val Pro Ser Gln Glu Phe Leu
          20          25          30
Met Leu Pro Phe Tyr Ser Gln Thr Thr Ser Xaa Phe Tyr Pro His His
          35          40          45
His Gln Xaa Pro Met Lys Pro Leu Val Trp Ser Pro Ser Pro Phe Xaa
          50          55          60
Pro Leu His
65

```

<210> 7791

<211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 7791  
 Met Gly Lys Lys Gln Asn Arg Lys Thr Glu Asn Ser Lys Asn Gln Arg  
 1 5 10 15  
 Thr Ser Ser Ser Pro Lys Glu Xaa Ser Ser Ser Pro Ala Ala Glu Gln  
 20 25 30  
 Ser Trp Met Glu Asn Asp Phe Asp Glu Leu Arg Glu Glu Gly Phe Arg  
 35 40 45  
 Arg Ser Asn Phe Ser Glu Leu Lys Glu Glu  
 50 55

<210> 7792  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 7792  
 Met Thr Ile Gly His Cys Leu His Trp Val His Phe Val Pro Val Ser  
 1 5 10 15  
 Ala Ser Thr Asp Ala Gly Ala Gln Ala Pro Leu Ser Lys Asp Asn Pro  
 20 25 30  
 Phe His Lys Gln Thr Ser Cys Leu Cys Ile Leu Tyr Leu Phe Arg Glu  
 35 40 45  
 Arg Glu Val Ser Leu Cys Gln Arg Leu Gln Ala Ser Pro Xaa Gln Leu  
 50 55 60  
 Arg Thr Pro  
 65

<210> 7793  
 <211> 441  
 <212> PRT  
 <213> Homo sapiens

<400> 7793  
 Met Ser Ser Asn Arg Pro Val Glu Ile Val Glu Asp Pro Arg Val Val  
 1 5 10 15  
 Gly Ile Trp Thr Lys Asn Lys Glu Leu Glu Leu Ser Val Pro Lys Phe  
 20 25 30  
 Lys Ile Asp Glu Phe Xaa Val Gly Pro Xaa Pro Xaa Lys Xaa Val Thr  
 35 40 45  
 Xaa Ala Lys Leu Xaa Asp Asn Ile Arg Glu Asn Phe Leu Arg Asp Met  
 50 55 60  
 Cys Lys Lys Tyr Gly Xaa Val Glu Glu Val Glu Ile Leu Tyr Asn Pro  
 65 70 75 80  
 Lys Thr Lys Lys His Leu Gly Ile Ala Lys Val Val Phe Ala Thr Val  
 85 90 95  
 Arg Gly Ala Lys Asp Ala Val Gln His Leu His Ser Thr Ser Val Met  
 100 105 110  
 Gly Asn Ile Ile His Val Glu Leu Asp Thr Lys Gly Glu Thr Arg Met  
 115 120 125  
 Arg Phe Tyr Glu Leu Leu Val Thr Gly Arg Tyr Thr Pro Gln Thr Leu



130  
Pro Val Gly  
145

135

140

<210> 7794  
<211> 189  
<212> PRT  
<213> Homo sapiens

<400> 7794  
Met Val Phe Ser Gly Met Ile Ser Ala His Cys Asn Ile Pro Leu Leu  
1 5 10 15  
Gly Ser Ser Asp Ser Ser Xaa Ser Ala Ser Gln Val Ala Gly Ile Thr  
20 25 30  
Gly Val His His His Thr Trp Leu Ile Xaa Val Phe Leu Val Glu Met  
35 40 45  
Gly Phe Arg His Val Gly Gln Ala Gly Leu Lys Leu Arg Thr Ser  
50 55 60

<210> 7795  
<211> 165  
<212> PRT  
<213> Homo sapiens

<400> 7795  
Met Arg Ile Cys Leu Cys Cys Pro Gly Trp Ser Pro Thr Pro Asp Phe  
1 5 10 15  
Lys Gln Ser Ser Cys Leu Ser Leu Pro Lys Cys Trp Asp Tyr Arg His  
20 25 30  
Glu Pro Xaa Cys Pro Ala Pro Leu Pro Phe Ser Glu Ser Phe Arg Ile  
35 40 45  
Ser Asp Cys Leu Lys Leu Pro  
50 55

<210> 7796  
<211> 165  
<212> PRT  
<213> Homo sapiens

<400> 7796  
Met Glu Tyr Leu Ser Ala Leu Asn Pro Ser Asp Leu Leu Arg Ser Val  
1 5 10 15  
Ser Asn Ile Ser Ser Glu Phe Gly Arg Val Trp Thr Ser Ala Pro  
20 25 30  
Pro Pro Gln Arg Pro Phe Arg Val Cys Asp His Lys Arg Thr Ile Arg  
35 40 45  
Lys Gly Leu Thr Ala Ala Phe  
50 55

<210> 7797  
<211> 243  
<212> PRT  
<213> Homo sapiens

<400> 7797

Met	Arg	Ile	Phe	Phe	Glu	Ser	Val	Tyr	Gly	Gln	Cys	Lys	Ala	Ile	Phe
1			5						10					15	
Tyr	Met	Asn	Asn	Pro	Ser	Arg	Val	Leu	Tyr	Xaa	Ala	Ala	Tyr	Asn	Cys
		20						25					30		
Thr	Leu	Arg	Pro	Val	Ser	Lys	Lys	Lys	Ile	Tyr	Met	Thr	Cys	Pro	Asp
	35					40						45			
Cys	Pro	Ser	Ser	Ile	Pro	Thr	Asp	Ser	Ser	Asn	His	Gln	Val	Leu	Glu
	50					55					60				
Ala	Ala	Thr	Glu	Ser	Xaa	Ala	Lys	Tyr	Asn	Asn	Glu	Asn	Thr	Ser	Lys
65					70					75					80
Gln															

<210> 7798

<211> 333

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -15..-1

<223> score 9.3

seq ALVLLLCIGALLG/HS

<400> 7798

Met	Gln	Ala	Leu	Val	Leu	Leu	Leu	Cys	Ile	Gly	Ala	Leu	Leu	Gly	His
-15					-10					-5					1
Ser	Ser	Cys	Gln	Asn	Pro	Ala	Ser	Pro	Pro	Glu	Glu	Gly	Ser	Pro	Asp
		5					10						15		
Pro	Asp	Ser	Thr	Gly	Ala	Leu	Val	Glu	Glu	Glu	Asp	Pro	Phe	Phe	Lys
	20					25						30			
Val	Pro	Val	Asn	Lys	Leu	Ala	Ala	Ala	Val	Ser	Asn	Phe	Gly	Tyr	Asp
	35					40					45				
Leu	Tyr	Arg	Val	Arg	Ser	Xaa	Thr	Ser	Pro	Thr	Thr	Asn	Val	Leu	Leu
50					55					60					65
Ser	Pro	Leu	Ser	Val	Ala	Thr	Ala	Leu	Ser	Ala	Leu	Ser	Leu	Gly	Ala
			70					75						80	
Xaa	Ser	Glu	Gln	Asn	Pro	Ser	Phe	Thr	Gly	Leu	Ser	Thr	Met	Thr	
		85						90					95		

<210> 7799

<211> 345

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -18..-1

<223> score 5.1

seq VFLLFLCFHLRFC/KV

<400> 7799

004220" 15666750

```

Met Lys Leu Leu His Val Phe Leu Leu Phe Leu Cys Phe His Leu Arg
      -15                      -10                      -5
Phe Cys Lys Val Thr Tyr Thr Ser Gln Glu Asp Leu Val Glu Lys Lys
      1                      5                      10
Cys Leu Ala Lys Lys Tyr Thr His Leu Ser Cys Asp Lys Val Phe Cys
15                      20                      25                      30
Gln Pro Trp Gln Arg Cys Ile Glu Gly Thr Cys Val Cys Lys Leu Pro
      35                      40                      45
Tyr Gln Cys Pro Lys Asn Gly Thr Ala Val Cys Ala Thr Asn Arg Arg
      50                      55                      60
Ser Phe Pro Thr Tyr Cys Gln Gln Lys Ser Leu Glu Cys Leu His Pro
      65                      70                      75
Gly Thr Lys Phe Leu Xaa Asn Gly Thr Cys Thr Ala Glu Glu Ser Leu
      80                      85                      90
Val Phe Pro
95

```

<210> 7800  
 <211> 435  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -19..-1  
 <223> score 9.8  
 seq GIFLFLCSTPAWA/KE

```

<400> 7800
Met Lys Ile Leu Ile Leu Gly Ile Phe Leu Phe Leu Cys Ser Thr Pro
      -15                      -10                      -5
Ala Trp Ala Lys Glu Lys His Tyr Tyr Ile Gly Ile Ile Glu Thr Thr
      1                      5                      10
Trp Asp Tyr Ala Ser Asp His Gly Glu Lys Lys Leu Ile Ser Val Asp
15                      20                      25
Thr Glu His Ser Asn Ile Tyr Leu Gln Asn Gly Pro Asp Arg Ile Gly
30                      35                      40                      45
Arg Leu Tyr Lys Lys Ala Xaa Tyr Leu Gln Tyr Thr Asp Glu Thr Phe
      50                      55                      60
Arg Thr Thr Ile Glu Lys Pro Val Trp Leu Gly Phe Leu Gly Pro Ile
      65                      70                      75
Ile Lys Xaa Glu Thr Gly Asp Lys Val Tyr Val His Leu Lys Asn Leu
      80                      85                      90
Ala Ser Arg Pro Tyr Thr Phe His Ser His Gly Ile Leu Thr Ile Arg
      95                      100                      105
Asn Met Arg Gly Pro Ser Thr Leu Ile Thr Pro Gln Ile Phe Lys Ser
110                      115                      120                      125
Arg

```

<210> 7801  
 <211> 366  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -19...-1  
 <223> score 10.8  
 seq ILFLVAAATGAHS/QV

<400> 7801  
 Met Asp Trp Thr Trp Ser Ile Leu Phe Leu Val Ala Ala Ala Thr Gly  
                   -15                  -10                  -5  
 Ala His Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
                   1                  5                  10  
 Pro Gly Ala Ser Val Lys Val Ser Cys Lys Xaa Ser Gly Tyr Thr Phe  
           15                  20                  25  
 Thr Ser Tyr Gly Ile Xaa Trp Val Arg Gln Ala Pro Gly Gln Gly Leu  
 30                  35                  40                  45  
 Glu Trp Met Gly Trp Ile Ser Xaa Tyr Asn Gly Asn Thr Xaa Tyr Ala  
                   50                  55                  60  
 Gln Xaa Xaa Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Asn  
                   65                  70                  75  
 Thr Ala Tyr Xaa Xaa Leu Arg Xaa Leu Arg Xaa Asp Asp Thr Ala Val  
           80                  85                  90  
 Tyr Tyr Cys Ala Arg Pro Met Gly Leu Leu  
           95                  100

<210> 7802  
 <211> 360  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -19...-1  
 <223> score 11.9  
 seq LSLVLAVLQGVFA/EV

<400> 7802  
 Met Gly Ser Thr Val Ile Leu Ser Leu Val Leu Ala Val Leu Gln Gly  
                   -15                  -10                  -5  
 Val Phe Ala Glu Val Gln Leu Leu Gln Ser Ala Ala Glu Val Lys Arg  
                   1                  5                  10  
 Pro Gly Glu Ser Leu Arg Ile Ser Cys Lys Thr Ser Gly Tyr Ser Phe  
           15                  20                  25  
 Thr Ser Tyr Trp Ile His Trp Val Arg Gln Met Pro Gly Lys Glu Leu  
 30                  35                  40                  45  
 Glu Trp Met Gly Ser Ile Tyr Pro Gly Asn Ser Asp Thr Arg Tyr Ser  
                   50                  55                  60  
 Pro Ser Phe Gln Gly His Val Thr Ile Ser Ala Asp Ser Ser Ser Ser  
                   65                  70                  75  
 Thr Ala Tyr Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Ala Ala Met  
           80                  85                  90  
 Tyr Tyr Cys Val Arg Xaa Thr Ile

95

100

<210> 7803  
 <211> 318  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -19...-1  
 <223> score 9.9  
 seq FLFVVAAATGVQS/QV

<400> 7803  
 Met Asp Trp Thr Trp Arg Phe Leu Phe Val Val Ala Ala Ala Thr Gly  
                     -15                    -10                    -5  
 Val Gln Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
                     1                    5                    10  
 Pro Gly Ser Ser Val Lys Val Ser Cys Lys Xaa Ser Gly Gly Thr Phe  
           15                    20                    25  
 Ser Ser Xaa Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu  
 30                    35                    40                    45  
 Glu Trp Met Gly Gly Ile Xaa Pro Xaa Xaa Thr Ala Xaa Tyr Ala Gln  
                     50                    55                    60  
 Xaa Phe Gln Gly Arg Val Ser Asp Tyr Arg Gly Arg Ile His Glu His  
                     65                    70                    75  
 Asn Leu His Gly Ile Glu Gln Pro Glu Ile  
           80                    85

<210> 7804  
 <211> 321  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -19...-1  
 <223> score 9.9  
 seq FLFVVAAATGVQS/QV

<400> 7804  
 Met Asp Trp Thr Trp Arg Phe Leu Phe Val Val Ala Ala Ala Thr Gly  
                     -15                    -10                    -5  
 Val Gln Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys  
                     1                    5                    10  
 Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe  
           15                    20                    25  
 Ser Xaa Tyr Ala Ile Xaa Trp Val Arg Gln Ala Pro Gly Gln Gly Leu  
 30                    35                    40                    45  
 Glu Trp Met Gly Gly Ile Xaa Pro Xaa Phe Gly Thr Xaa Asn Tyr Ala  
                     50                    55                    60  
 Xaa Lys Phe Gln Xaa Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Asn

65 70 75  
 Thr Xaa Xaa Tyr Gly Thr Asp Gln Pro Asp Ile  
 80 85

<210> 7805  
 <211> 321  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -19...-1  
 <223> score 9.9  
 seq FLFVVAATGVQS/QV

<400> 7805  
 Met Asp Trp Thr Trp Arg Phe Leu Phe Val Val Ala Ala Ala Thr Gly  
 -15 -10 -5  
 Val Gln Ser Gln Val Xaa Leu Xaa Gln Ser Gly Xaa Gly Xaa Xaa Lys  
 1 5 10  
 Pro Gly Ser Ser Val Lys Ile Ser Cys Lys Val Ser Gly Asp Ser Phe  
 15 20 25  
 Ala Asn Tyr Gly Ile His Trp Val Arg Gln Ala Pro Gly Xaa Gly Leu  
 30 35 40 45  
 Glu Trp Met Gly Gly Ile Val Pro Leu Phe Gly Thr Ala Asp Asn Ala  
 50 55 60  
 Gln Arg Phe Gln Ser Lys Val Thr Ile Thr Xaa Xaa Arg Ser Thr Thr  
 65 70 75  
 Xaa Val Phe Met Glu Val Lys Gln Pro Glu Ile  
 80 85

<210> 7806  
 <211> 453  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -25...-1  
 <223> score 3.9  
 seq RVGLLLGGGGVYG/SR

<400> 7806  
 Met Pro Arg Lys Arg Lys Cys Asp Leu Arg Ala Val Arg Val Gly Leu  
 -25 -20 -15 -10  
 Leu Leu Gly Gly Gly Val Tyr Gly Ser Arg Phe Arg Phe Thr Phe  
 -5 1 5  
 Pro Gly Cys Arg Ala Leu Ser Pro Trp Arg Val Arg Val Gln Arg Arg  
 10 15 20  
 Arg Cys Glu Met Ser Thr Met Phe Ala Asp Thr Leu Leu Ile Val Phe  
 25 30 35  
 Ile Ser Val Cys Thr Ala Leu Leu Ala Glu Gly Ile Thr Trp Val Leu

40                      45                      50                      55  
 Val Tyr Arg Thr Asp Lys Tyr Lys Arg Leu Lys Ala Glu Val Glu Lys  
                                 60                      65                      70  
 Gln Ser Lys Lys Leu Glu Lys Lys Lys Glu Thr Ile Thr Glu Ser Ala  
                                 75                      80                      85  
 Gly Arg Gln Gln Lys Lys Xaa Ile Glu Arg Gln Glu Glu Lys Leu Xaa  
                                 90                      95                      100  
 Asn Asn Asn Arg Asp Leu Ser Met Val Arg Met Lys Ser Met Phe Ala  
                                 105                      110                      115  
 Ile Gly Phe Cys Phe Thr Ala  
 120                      125

<210> 7807  
 <211> 342  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -20..-1  
 <223> score 9  
       seq VVIFATFVTLCA/SC

<400> 7807  
 Met Asn Val Leu Leu Gly Ser Val Val Ile Phe Ala Thr Phe Val Thr  
 -20                      -15                      -10                      -5  
 Leu Cys Asn Ala Ser Cys Tyr Phe Ile Pro Asn Glu Gly Val Pro Gly  
                                 1                      5                      10  
 Asp Ser Thr Arg Lys Cys Met Asp Leu Lys Gly Asn Lys His Pro Ile  
                                 15                      20                      25  
 Asn Ser Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu  
                                 30                      35                      40  
 Thr Glu Ile Ser Cys Cys Thr Leu Val Ser Thr Pro Val Gly Tyr Asp  
 45                      50                      55                      60  
 Lys Asp Asn Cys Gln Arg Ile Phe Lys Lys Glu Asp Cys Lys Tyr Ile  
                                 65                      70                      75  
 Val Val Glu Lys Lys Asp Pro Lys Lys Thr Cys Ser Val Ser Glu Trp  
                                 80                      85                      90  
 Ile Ile

<210> 7808  
 <211> 309  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -33..-1  
 <223> score 5  
       seq LAAARLLSRXSSC/RR

<400> 7808

```

Met Thr Ala Thr Leu Ala Ala Ala Ala Asp Ile Ala Thr Met Val Ser
      -30                      -25                      -20
Gly Ser Ser Gly Leu Ala Ala Ala Arg Leu Leu Ser Arg Xaa Ser Ser
      -15                      -10                      -5
Cys Arg Arg Met Glu Phe Gly Ile Val Pro Thr Gln Leu Leu Gly Asn
  1          5          10          15
Ile Ser Met Leu Ile Lys Ile Gln Arg Leu Phe Ala Arg Val Ser Leu
      20          25          30
Ala Asn Arg Ala Pro Phe Thr Ala Ser Arg His Trp Asn Met Ala Pro
      35          40          45
Asn Ser Leu Glu Glu Pro Leu Gln Gly Lys Glu Ala Arg His Ile Trp
      50          55          60
Ala Tyr Leu Ser Leu Ile Leu
      65          70

```

<210> 7809

<211> 330

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -32...-1

<223> score 7

seq ITFLQAIRNTTA/AE

<400> 7809

```

Met Trp Ser Gly Asn Arg Gln Arg Lys Pro Met Arg Ile Xaa Pro Gly
      -30                      -25                      -20
Gln Ser Lys Ile Thr Phe Leu Leu Gln Ala Ile Arg Asn Thr Thr Ala
      -15                      -10                      -5
Ala Glu Glu Ala Arg Gln Met Ala Ala Val Leu Leu Arg Arg Leu Leu
  1          5          10          15
Ser Ser Ala Phe Asp Glu Val Tyr Pro Ala Leu Pro Ser Asp Val Gln
      20          25          30
Thr Ala Ile Lys Ser Glu Leu Leu Met Ile Ile Gln Met Glu Thr Gln
      35          40          45
Ser Ser Met Arg Lys Lys Val Cys Asp Ile Ala Xaa Glu Leu Ala Arg
      50          55          60
Asn Leu Ile Asp Glu Asp Gly Asn Asn Gln Trp Pro Glu Val
      65          70          75

```

<210> 7810

<211> 402

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -13...-1

<223> score 5.3

seq MLSRVVL SAAATA/AP



&lt;400&gt; 7810

```

Met Leu Ser Arg Val Val Leu Ser Ala Ala Ala Thr Ala Ala Pro Ser
      -10      -5      1
Leu Lys Asn Ala Ala Phe Leu Gly Pro Gly Val Leu Gln Ala Thr Arg
  5      10      15
Thr Phe His Thr Gly Gln Pro His Leu Val Pro Val Pro Pro Leu Pro
20      25      30      35
Glu Tyr Gly Gly Lys Val Arg Tyr Gly Leu Ile Pro Glu Glu Phe Phe
      40      45      50
Gln Phe Leu Tyr Pro Lys Thr Gly Val Thr Gly Pro Tyr Val Leu Gly
      55      60      65
Thr Gly Leu Ile Leu Tyr Ala Leu Ser Lys Glu Ile Tyr Val Ile Ser
      70      75      80
Ala Glu Thr Phe Thr Ala Leu Ser Val Leu Gly Val Met Val Tyr Gly
      85      90      95
Ile Lys Lys Tyr Gly Pro Phe Val Ala Asp Phe Ala Asp Asn Ser Met
100      105      110      115
Ser Lys Asn Leu Pro Asn
      120

```

&lt;210&gt; 7811

&lt;211&gt; 366

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SIGNAL

&lt;222&gt; -15...-1

&lt;223&gt; score 9.4

seq LLTGLVFCSLVLX/VS

&lt;400&gt; 7811

```

Met Lys Leu Leu Thr Gly Leu Val Phe Cys Ser Leu Val Leu Xaa Val
-15      -10      -5      1
Ser Ser Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala
  5      10      15
Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile
20      25      30
Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys
35      40      45
Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asp Ala Arg
50      55      60      65
Glu Asn Ile Gln Arg Phe Phe Gly His Gly Ala Glu Asp Ser Leu Ala
      70      75      80
Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
      85      90      95
Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
100      105

```

&lt;210&gt; 7812

&lt;211&gt; 453

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -19...-1

<223> score 12.1

seq TFLLLALSTAAQA/EP

<400> 7812

Met Arg Phe Leu Ala Ala Thr Phe Leu Leu Leu Ala Leu Ser Thr Ala  
-15 -10 -5  
Ala Gln Ala Glu Pro Val Gln Phe Lys Asp Cys Gly Ser Val Asp Gly  
1 5 10  
Val Ile Lys Glu Val Asn Val Ser Pro Cys Pro Thr Gln Pro Cys Gln  
15 20 25  
Leu Ser Lys Gly Gln Ser Tyr Ser Val Asn Val Thr Phe Thr Ser Asn  
30 35 40 45  
Ile Gln Ser Lys Ser Ser Lys Ala Val Val His Gly Ile Leu Met Gly  
50 55 60  
Val Pro Val Pro Phe Pro Ile Pro Glu Pro Asp Gly Cys Lys Ser Gly  
65 70 75  
Ile Asn Cys Pro Ile Gln Lys Asp Lys Thr Tyr Ser Tyr Leu Asn Lys  
80 85 90  
Leu Pro Val Lys Ser Glu Tyr Pro Ser Ile Lys Leu Val Val Glu Trp  
95 100 105  
Gln Leu Gln Asp Asp Lys Asn Gln Ser Leu Phe Cys Trp Glu Ile Pro  
110 115 120 125  
Val Gln Ile Val Ser His Leu  
130

<210> 7813

<211> 831

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -36...-1

<223> score 4.2

seq LCFFGVALFCGCG/HE

<400> 7813

Met Gly Leu Leu Glu Cys Cys Ala Arg Cys Leu Val Gly Ala Pro Phe  
-35 -30 -25  
Ala Ser Leu Val Ala Thr Gly Leu Cys Phe Phe Gly Val Ala Leu Phe  
-20 -15 -10 -5  
Cys Gly Cys Gly His Glu Ala Leu Thr Gly Thr Glu Lys Leu Ile Glu  
1 5 10  
Thr Tyr Phe Ser Lys Asn Tyr Gln Asp Tyr Glu Tyr Leu Ile Asn Val  
15 20 25  
Ile His Ala Phe Gln Tyr Val Ile Tyr Gly Thr Ala Ser Phe Phe Phe  
30 35 40

Leu Tyr Gly Ala Leu Leu Leu Ala Glu Gly Phe Tyr Thr Thr Gly Ala  
 45 50 55 60  
 Val Arg Gln Ile Phe Gly Asp Tyr Lys Thr Thr Ile Cys Gly Lys Gly  
 65 70 75  
 Leu Ser Ala Thr Val Thr Gly Gly Gln Lys Gly Arg Gly Ser Arg Gly  
 80 85 90  
 Gln His Gln Ala His Ser Leu Glu Arg Val Cys His Cys Leu Gly Lys  
 95 100 105  
 Trp Leu Gly His Pro Asp Lys Phe Val Gly Ile Thr Tyr Ala Leu Thr  
 110 115 120  
 Val Val Trp Leu Leu Val Phe Ala Cys Ser Ala Val Pro Val Tyr Ile  
 125 130 135 140  
 Tyr Phe Asn Thr Trp Thr Thr Cys Gln Ser Ile Ala Phe Pro Ser Lys  
 145 150 155  
 Thr Ser Ala Ser Ile Gly Ser Leu Cys Ala Asp Ala Arg Met Tyr Gly  
 160 165 170  
 Val Leu Pro Trp Asn Ala Phe Pro Gly Lys Val Cys Gly Ser Asn Leu  
 175 180 185  
 Leu Ser Ile Cys Lys Thr Ala Glu Phe Gln Met Thr Phe His Leu Phe  
 190 195 200  
 Ile Ala Ala Phe Val Gly Ala Ala Ala Thr Leu Val Ser Leu Leu Thr  
 205 210 215 220  
 Phe Met Ile Ala Ala Thr Tyr Asn Phe Ala Val Leu Lys Leu Met Gly  
 225 230 235  
 Arg Gly Thr Lys Phe  
 240

<210> 7814  
 <211> 312  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -16...-1  
 <223> score 6  
 seq SRLTAVSASWVQA/HP

<400> 7814  
 Met Val Arg Ser Arg Leu Thr Ala Val Ser Ala Ser Trp Val Gln Ala  
 -15 -10 -5  
 His Pro Pro Ala Asp Met Gly Arg Arg Lys Ser Lys Arg Lys Pro Pro  
 1 5 10 15  
 Pro Lys Lys Lys Met Thr Gly Thr Leu Glu Thr Gln Phe Thr Cys Pro  
 20 25 30  
 Phe Cys Asn His Glu Lys Ser Cys Asp Val Lys Met Asp Arg Ala Arg  
 35 40 45  
 Asn Thr Gly Val Ile Ser Cys Thr Val Cys Leu Glu Glu Phe Gln Thr  
 50 55 60  
 Pro Ile Thr Tyr Leu Ser Glu Pro Val Asp Val Tyr Ser Asp Trp Ile  
 65 70 75 80  
 Asp Ala Cys Glu Ala Ala Asn Gln  
 85

<210> 7815  
 <211> 702  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -17...-1  
 <223> score 9.2  
 seq VVFLTLSVTWIGA/AP

<400> 7815  
 Met Trp Val Pro Val Val Phe Leu Thr Leu Ser Val Thr Trp Ile Gly  
           -15                  -10                  -5  
 Ala Ala Pro Leu Ile Leu Ser Arg Ile Val Gly Gly Trp Glu Cys Glu  
       1                  5                  10                  15  
 Lys His Ser Gln Pro Trp Gln Val Leu Val Ala Ser Arg Gly Arg Ala  
                   20                  25                  30  
 Val Cys Gly Gly Val Leu Val His Pro Gln Trp Val Leu Thr Ala Ala  
                   35                  40                  45  
 His Cys Ile Arg Lys Pro Gly Asp Asp Ser Ser His Asp Leu Met Leu  
           50                  55                  60  
 Leu Arg Leu Ser Glu Pro Ala Glu Xaa Thr Asp Ala Val Lys Val Met  
       65                  70                  75  
 Asp Leu Pro Xaa Gln Glu Pro Ala Leu Gly Thr Thr Cys Tyr Ala Ser  
 80                  85                  90                  95  
 Gly Trp Gly Ser Ile Glu Pro Glu Glu Phe Leu Thr Pro Lys Lys Leu  
                   100                  105                  110  
 Gln Cys Val Asp Leu His Val Ile Ser Asn Asp Val Cys Ala Gln Val  
           115                  120                  125  
 His Pro Gln Lys Val Thr Lys Phe Met Leu Cys Ala Gly Arg Trp Thr  
       130                  135                  140  
 Gly Gly Lys Ser Thr Cys Ser Gly Asp Leu Gly Ala His Leu Ser Val  
       145                  150                  155  
 Met Val Cys Phe Lys Val Ser Arg His Gly Ala Val Asn His Val Pro  
 160                  165                  170                  175  
 Cys Pro Lys Gly Leu Pro Cys Thr Pro Arg Trp Cys Ile Thr Gly Ser  
           180                  185                  190  
 Gly Ser Arg Thr Pro Ser Trp Pro Thr Pro Glu His Pro Tyr Gln Leu  
           195                  200                  205  
 Pro Ile Val Val Asn Leu Glu Pro Trp Lys  
       210                  215

<210> 7816  
 <211> 345  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -28...-1  
 <223> score 7.8

seq FSLVVFSCGGCWS/VT

<400> 7816

```

Met His Thr Gln Asp Ser Glu Val Val Pro Val Pro Ala Trp Pro Phe
      -25                      -20                      -15
Ser Leu Val Val Phe Ser Cys Gly Gly Cys Trp Ser Val Thr Ala Lys
      -10                      -5                      1
Met Leu Arg Asn Leu Leu Ala Leu Arg Gln Ile Gly Gln Arg Thr Ile
5                      10                      15                      20
Ser Thr Ala Ser Arg Arg His Phe Lys Asn Lys Val Pro Glu Lys Gln
      25                      30                      35
Lys Leu Phe Gln Glu Asp Asp Glu Ile Pro Leu Tyr Leu Lys Gly Gly
      40                      45                      50
Val Ala Asp Ala Leu Leu Tyr Arg Ala Thr Met Ile Leu Thr Val Gly
      55                      60                      65
Gly Thr Ala Tyr Ala Ile Tyr Glu Leu Ala Val Ala Ser Phe Pro Lys
      70                      75                      80
Lys Gln Glu
85

```

<210> 7817

<211> 324

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -16..-1

<223> score 3.9

seq CAKLACTPSLIRA/GS

<400> 7817

```

Met Phe Ala Cys Ala Lys Leu Ala Cys Thr Pro Ser Leu Ile Arg Ala
      -15                      -10                      -5
Gly Ser Arg Val Ala Tyr Arg Pro Ile Ser Ala Ser Val Leu Ser Arg
1                      5                      10                      15
Pro Glu Ala Ser Arg Thr Gly Glu Gly Ser Thr Val Phe Asn Gly Ala
      20                      25                      30
Gln Asn Gly Val Ser Gln Leu Ile Gln Arg Glu Phe Gln Thr Ser Ala
      35                      40                      45
Ile Ser Arg Asp Ile Asp Thr Ala Ala Lys Phe Ile Gly Ala Gly Ala
      50                      55                      60
Ala Thr Val Gly Val Ala Gly Ser Gly Ala Gly Ile Gly Thr Val Phe
      65                      70                      75                      80
Gly Ser Leu Ser Leu Val Met Pro Glu Xaa Xaa Arg
      85                      90

```

<210> 7818

<211> 321

<212> PRT

<213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -34...-1  
 <223> score 5.1  
 seq ASLLNFWNPPTTA/QV

<400> 7818  
 Met Gly Pro Leu Ser Ala Pro Pro Cys Thr Xaa Xaa Ile Thr Trp Lys  
                   -30                  -25                  -20  
 Gly Xaa Leu Leu Thr Ala Ser Leu Leu Asn Phe Trp Asn Pro Pro Thr  
                   -15                  -10                  -5  
 Thr Ala Gln Val Thr Ile Glu Ala Gln Pro Pro Lys Val Ser Glu Gly  
           1                  5                  10  
 Lys Asp Val Leu Leu Leu Val His Asn Leu Pro Gln Asn Leu Ala Gly  
 15                  20                  25                  30  
 Tyr Ile Trp Tyr Lys Gly Gln Met Thr Tyr Leu Tyr His Tyr Ile Thr  
                   35                  40                  45  
 Ser Tyr Val Val Asp Gly Gln Arg Ile Ile Tyr Gly Pro Ala Tyr Ser  
                   50                  55                  60  
 Gly Arg Glu Arg Val Tyr Ser Asn Ala Ser Cys  
           65                  70

<210> 7819  
 <211> 474  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -23...-1  
 <223> score 8.6  
 seq LVLALALILVLES/SV

<400> 7819  
 Met Met Gln Lys Leu Leu Lys Cys Ser Arg Leu Val Leu Ala Leu Ala  
                   -20                  -15                  -10  
 Leu Ile Leu Val Leu Glu Ser Ser Val Gln Gly Tyr Pro Thr Xaa Arg  
                   -5                  1                  5  
 Ala Arg Tyr Gln Trp Val Arg Cys Asn Pro Asp Ser Asn Ser Ala Asn  
 10                  15                  20                  25  
 Cys Leu Glu Glu Lys Gly Pro Met Phe Glu Leu Leu Pro Gly Glu Ser  
                   30                  35                  40  
 Asn Lys Ile Pro Arg Leu Arg Thr Asp Leu Phe Pro Lys Thr Arg Ile  
                   45                  50                  55  
 Gln Asp Leu Asn Arg Ile Phe Pro Leu Ser Glu Asp Tyr Ser Gly Ser  
                   60                  65                  70  
 Gly Phe Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser Gly Phe  
           75                  80                  85  
 Leu Thr Glu Met Glu Gln Asp Tyr Gln Leu Val Asp Glu Ser Asp Ala  
 90                  95                  100                  105  
 Phe His Asp Asn Leu Arg Ser Leu Asp Arg Asn Leu Pro Ser Asp Ser  
           110                  115                  120

Gln Asp Leu Gly Gln His Gly Leu Glu Glu Asp Phe Met Leu  
 125 130 135

<210> 7820  
 <211> 603  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -18..-1  
 <223> score 10.5  
 seq VLTVLSLLPLLEA/QI

<400> 7820  
 Met Ala Leu Ser Trp Val Leu Thr Val Leu Ser Leu Leu Pro Leu Leu  
 -15 -10 -5  
 Glu Ala Gln Ile Pro Leu Cys Ala Asn Leu Val Pro Val Pro Ile Thr  
 1 5 10  
 Asn Ala Thr Leu Asp Gln Ile Thr Gly Lys Trp Phe Tyr Ile Ala Ser  
 15 20 25 30  
 Ala Phe Arg Asn Glu Glu Tyr Asn Lys Ser Val Gln Glu Ile Gln Ala  
 35 40 45  
 Thr Phe Phe Tyr Phe Thr Pro Asn Lys Thr Glu Asp Thr Ile Phe Leu  
 50 55 60  
 Arg Glu Tyr Gln Thr Arg Gln Asp Gln Cys Ile Tyr Asn Thr Thr Tyr  
 65 70 75  
 Leu Asn Val Gln Arg Glu Asn Gly Thr Ile Ser Arg Tyr Val Gly Gly  
 80 85 90  
 Gln Glu His Phe Ala His Leu Leu Ile Leu Arg Asp Thr Lys Thr Tyr  
 95 100 105 110  
 Met Leu Ala Phe Asp Val Asn Asp Glu Lys Asn Trp Gly Leu Ser Val  
 115 120 125  
 Tyr Ala Asp Lys Pro Glu Thr Thr Lys Glu Gln Leu Gly Glu Phe Tyr  
 130 135 140  
 Glu Ala Leu Asp Cys Leu Arg Ile Pro Lys Ser Asp Val Val Tyr Thr  
 145 150 155  
 Asp Trp Lys Lys Asp Lys Cys Glu Pro Leu Glu Lys Gln His Glu Lys  
 160 165 170  
 Glu Arg Lys Gln Glu Glu Gly Glu Ser  
 175 180

<210> 7821  
 <211> 405  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -24..-1  
 <223> score 10.9  
 seq LAGLCCLVPVSLA/ED

&lt;400&gt; 7821

```

Met Pro Ser Ser Val Ser Trp Gly Ile Leu Leu Leu Ala Gly Leu Cys
      -20      -15      -10
Cys Leu Val Pro Val Ser Leu Ala Glu Asp Pro Gln Gly Asp Ala Ala
      -5      1      5
Gln Lys Thr Asp Thr Ser His His Asp Gln Asp His Pro Thr Phe Asn
      10      15      20
Lys Ile Thr Pro Asn Leu Ala Glu Phe Ala Phe Ser Leu Tyr Arg Gln
      25      30      35      40
Leu Ala His Gln Ser Asn Ser Thr Asn Ile Phe Phe Ser Pro Val Ser
      45      50      55
Ile Ala Thr Ala Phe Ala Met Leu Ser Leu Gly Thr Lys Ala Asp Thr
      60      65      70
His Asp Glu Ile Leu Glu Gly Leu Asn Phe Asn Leu Thr Glu Ile Pro
      75      80      85
Glu Ala Gln Ile His Glu Gly Phe Gln Glu Leu Leu Val Pro Ser Thr
      90      95      100
Ser Gln Thr Ala Ser Ser Ser
      105      110

```

&lt;210&gt; 7822

&lt;211&gt; 366

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SIGNAL

&lt;222&gt; -23...-1

&lt;223&gt; score 6.2

seq ILYFYALLFLSST/CV

&lt;400&gt; 7822

```

Met Ser Trp Ser Leu His Pro Arg Asn Leu Ile Leu Tyr Phe Tyr Ala
      -20      -15      -10
Leu Leu Phe Leu Ser Ser Thr Cys Val Ala Tyr Val Ala Thr Arg Asp
      -5      1      5
Asn Cys Cys Ile Leu Asp Glu Arg Phe Gly Ser Tyr Cys Pro Thr Thr
      10      15      20      25
Cys Gly Ile Ala Asp Phe Leu Ser Thr Tyr Gln Thr Lys Val Asp Lys
      30      35      40
Asp Leu Gln Ser Leu Glu Asp Ile Leu His Gln Val Glu Asn Lys Thr
      45      50      55
Ser Glu Val Lys Gln Leu Ile Lys Ala Ile Gln Leu Thr Tyr Asn Pro
      60      65      70
Asp Glu Ser Ser Lys Pro Asn Met Ile Asp Ala Ala Thr Leu Lys Ser
      75      80      85
Arg Lys Met Leu Glu Glu Ile Ile Glu Ile
      90      95

```

&lt;210&gt; 7823

&lt;211&gt; 330

&lt;212&gt; PRT



<213> Homo sapiens

<220>

<221> SIGNAL

<222> -36...-1

<223> score 9.7

seq LWTVLILFSCCCA/FX

<400> 7823

Met	Ala	Met	Glu	Cys	Thr	Arg	Lys	Asn	Thr	Arg	Ser	Thr	Tyr	Tyr	Tyr
-35						-30					-25				
Glu	Leu	Trp	Trp	Phe	Trp	Leu	Leu	Trp	Thr	Val	Leu	Ile	Leu	Phe	Ser
-20				-15					-10					-5	
Cys	Cys	Cys	Ala	Phe	Xaa	His	Arg	Arg	Ala	Lys	Leu	Arg	Leu	Gln	Gln
			1				5					10			
Gln	Gln	Arg	Xaa	Val	Lys	Ser	Thr	Cys	Trp	Pro	Ile	Met	Gly	His	Ala
15						20					25				
Met	Gly	Leu	Val	Leu	Ser	Leu	Pro	Val	His	Cys	Leu	Thr	Phe	Xaa	Ser
30					35					40					
Ser	Ala	Pro	Ser	Xaa	Pro	Gln	Pro	Thr	Arg	Met	Trp	Phe	Xaa	Ala	Xaa
45				50					55						60
Ala	His	Xaa	Pro	Pro	Leu	Ile	Leu	Trp	Pro	Gln	Ala	Ala	Pro		
			65					70							

<210> 7824

<211> 339

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -41...-1

<223> score 4.6

seq AYLLYILLTGALQ/FG

<400> 7824

Met	Ser	Ala	Ser	Val	Val	Ser	Val	Ile	Ser	Arg	Phe	Leu	Glu	Glu	Tyr
-40						-35				-30					
Leu	Ser	Ser	Thr	Pro	Gln	Arg	Leu	Lys	Leu	Leu	Asp	Ala	Tyr	Leu	Leu
-25				-20					-15					-10	
Tyr	Ile	Leu	Leu	Thr	Gly	Ala	Leu	Gln	Phe	Gly	Tyr	Cys	Leu	Leu	Val
			-5				1					5			
Gly	Thr	Phe	Pro	Phe	Asn	Ser	Phe	Leu	Ser	Gly	Phe	Ile	Ser	Cys	Val
10					15						20				
Gly	Ser	Phe	Ile	Leu	Ala	Val	Cys	Leu	Arg	Ile	Gln	Ile	Asn	Pro	Gln
25					30					35					
Asn	Lys	Ala	Asp	Phe	Gln	Gly	Ile	Ser	Pro	Glu	Arg	Ala	Phe	Ala	Asp
40				45					50					55	
Phe	Leu	Phe	Ala	Ser	Thr	Ile	Leu	His	Leu	Val	Val	Met	Asn	Xaa	Xaa
			60					65						70	

Gly

<210> 7825  
 <211> 447  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -26...-1  
 <223> score 10.8  
 seq MLPLLWLLPHSWA/VP

<400> 7825  
 Met Gly His Glu Gln Asn Gln Gly Ala Ala Leu Leu Gln Met Leu Pro  
 -25 -20 -15  
 Leu Leu Trp Leu Leu Pro His Ser Trp Ala Val Pro Glu Ala Pro Thr  
 -10 -5 1 5  
 Pro Met Trp Pro Asp Asp Leu Gln Asn His Thr Phe Leu His Thr Val  
 10 15 20  
 Tyr Cys Gln Asp Gly Ser Pro Ser Val Gly Leu Ser Glu Ala Tyr Asp  
 25 30 35  
 Glu Asp Gln Leu Phe Phe Phe Asp Phe Ser Gln Asn Thr Arg Val Pro  
 40 45 50  
 Arg Leu Pro Glu Phe Ala Asp Trp Ala Gln Glu Gln Gly Asp Ala Pro  
 55 60 65 70  
 Ala Ile Leu Phe Asp Lys Glu Phe Cys Glu Trp Met Ile Gln Gln Ile  
 75 80 85  
 Gly Pro Lys Leu Asp Gly Lys Ile Pro Val Ser Arg Gly Phe Pro Ile  
 90 95 100  
 Ala Glu Val Phe Thr Leu Xaa Pro Xaa Ser Leu Ala Ser Gln His Phe  
 105 110 115  
 Gly Leu Xaa Xaa Gln  
 120

<210> 7826  
 <211> 348  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -18...-1  
 <223> score 6.3  
 seq LLFVGLLLTWESG/QV

<400> 7826  
 Met Met Lys Thr Leu Leu Leu Phe Val Gly Leu Leu Leu Thr Trp Glu  
 -15 -10 -5  
 Ser Gly Gln Val Leu Gly Asp Gln Thr Val Ser Asp Asn Glu Leu Gln  
 1 5 10  
 Glu Met Ser Asn Gln Gly Ser Lys Tyr Val Asn Lys Glu Ile Gln Asn  
 15 20 25 30  
 Ala Val Asn Gly Val Lys Gln Ile Lys Thr Leu Ile Glu Lys Thr Asn

Figure 1 is a schematic representation of the experimental design. It shows a sequence of events: 'Pretest', 'Training', and 'Transfer'. Each phase includes a 'Pretest' and a 'Posttest' measurement. The 'Training' phase is divided into 'Pretest' and 'Posttest' sub-phases. The 'Transfer' phase is also divided into 'Pretest' and 'Posttest' sub-phases. The diagram illustrates the flow of participants through these phases and the timing of measurements.

```
<220>
<221> SIGNAL
<222> -28...-1
<223> score 12.5
      seq ILLVLGWVQPSLG/KE
```

```
<210> 7828
<211> 567
<212> PRT
<213> Homo sapiens
```

3963

**UNITED STATES DEPARTMENT OF AGRICULTURE**

Met	Ala	Leu	Glu	Lys	Ser	Leu	Val	Arg	Leu	Leu	Leu	Leu	Val	Leu	Ile
			-25					-20					-15		
Leu	Leu	Val	Leu	Gly	Trp	Val	Gln	Pro	Ser	Leu	Gly	Lys	Glu	Ser	Arg
		-10					-5					1			
Ala	Lys	Lys	Phe	Gln	Arg	Gln	His	Met	Asp	Ser	Asp	Ser	Ser	Pro	Ser
5					10					15					20
Ser	Ser	Ser	Thr	Xaa	Cys	Asn	Gln	Met	Met	Arg	Arg	Arg	Asn	Met	Thr
				25					30					35	
Gln	Gly	Arg	Cys	Lys	Pro	Val	Asn	Thr	Phe	Val	His	Glu	Pro	Leu	Val
			40				45						50		
Asp	Val	Gln	Asn	Val	Cys	Phe	Gln	Glu	Lys	Val	Thr	Cys	Lys	Asn	Gly
		55					60					65			
Gln	Gly	Asn	Cys	Tyr	Lys	Ser	Asn	Ser	Ser	Met	His	Ile	Thr	Asp	Cys
		70				75					80				
Arg	Leu	Thr	Asn	Gly	Ser	Ser	Thr	Pro	Thr	Val	His	Thr	Gly	Pro	Ala
85					90					95					100
Arg	Arg	Arg	Asp	Thr	Ser	Leu	Trp	Pro	Val	Lys	Gly	Ala	His	Met	Cys
			105						110					115	
Gln	Ser	Thr	Leu	Met	Leu	Leu	Trp	Arg	Thr	Leu	Pro	Lys	Val	Arg	Xaa
			120					125					130		
Ala	Arg	Tyr	Pro	Thr	Ser	Leu	Asn	Leu	Ile	Leu	Ser	Thr	Ala	Ala	Ser
		135					140					145			
Ser	Leu	Phe	Leu	Pro	Cys	Cys	Glu	Arg	Ser	Asn	Tyr	Ser			
	150					155					160				

```
<220>
<221> SIGNAL
<222> -28..-1
<223> score 12.5
      seq ILLVLGWVQPSLG/KE
```

3964

004000 " 65667550

	40					45				50					
Asp	Val	Gln	Asn	Val	Cys	Phe	Gln	Glu	Lys	Val	Thr	Cys	Lys	Asn	Gly
	55						60					65			
Xaa	Gln	Leu	Leu	Gln	Glu	Xaa	Leu	Gln	His	Ala	His	His	Arg	Leu	Pro
	70					75					80				
Pro	Asp	Lys	Arg	Leu	Gln	Tyr	Pro	Asn	Cys	Ala	Tyr	Arg	Thr	Ser	Pro
85					90					95				100	
Lys	Glu	Arg	His	Ile	Ile	Val	Ala	Cys	Glu	Gly	Ser	Pro	Tyr	Val	Pro
			105						110					115	
Val	His	Phe	Asp	Ala	Ser	Val	Glu	Asp	Ser	Thr					
			120					125							

<210> 7830  
 <211> 417  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SIGNAL  
 <222> -28...-1  
 <223> score 9.4  
       seq ASLVLAFLGVCLG/IT

<400>	7830															
Met	Ala	Ala	Val	Ala	Ala	Val	Ala	Ala	Arg	Arg	Arg	Arg	Ser	Trp	Ala	
			-25					-20					-15			
Ser	Leu	Val	Leu	Ala	Phe	Leu	Gly	Val	Cys	Leu	Gly	Ile	Thr	Leu	Ala	
		-10					-5					1				
Val	Asp	Arg	Ser	Asn	Phe	Lys	Thr	Cys	Glu	Glu	Ser	Ser	Phe	Cys	Lys	
5				10					15					20		
Arg	Gln	Arg	Ser	Ile	Arg	Pro	Gly	Leu	Ser	Pro	Tyr	Arg	Ala	Leu	Leu	
			25					30						35		
Asp	Ser	Leu	Gln	Leu	Gly	Pro	Asp	Ser	Leu	Thr	Val	His	Leu	Ile	His	
		40					45					50				
Glu	Val	Thr	Lys	Val	Leu	Leu	Val	Leu	Glu	Leu	Gln	Gly	Leu	Gln	Lys	
		55					60					65				
Asn	Met	Thr	Arg	Phe	Arg	Ile	Asp	Glu	Leu	Glu	Pro	Arg	Arg	Pro	Arg	
	70					75					80					
Tyr	Arg	Val	Pro	Asp	Val	Leu	Val	Ala	Asp	Pro	Pro	Ile	Ala	Gly	Phe	
85				90					95					100		
Leu	Ser	Leu	Val	Val	Met	Arg	Thr	Val	Trp	Ser						
			105					110								

<210> 7831  
 <211> 381  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SIGNAL  
 <222> -30...-1  
 <223> score 9.3  
       seq LFWLCGILILALA/IW

&lt;400&gt; 7831

```

Met Ala Gly Val Ser Ala Cys Ile Lys Tyr Ser Met Phe Thr Phe Asn
-30          -25          -20          -15
Phe Leu Phe Trp Leu Cys Gly Ile Leu Ile Leu Ala Leu Ala Ile Trp
          -10          -5          1
Val Arg Val Ser Asn Asp Ser Gln Ala Ile Phe Gly Ser Glu Asp Val
          5          10          15
Gly Ser Ser Ser Tyr Val Ala Val Asp Ile Leu Ile Ala Val Gly Ala
          20          25          30
Ile Ile Met Ile Leu Gly Phe Leu Xaa Cys Cys Gly Ala Ile Lys Glu
35          40          45          50
Ser Arg Cys Met Leu Leu Leu Phe Phe Ile Gly Leu Leu Leu Ile Leu
          55          60          65
Leu Leu Gln Val Ala Thr Gly Ile Xaa Gly Ala Val Phe Lys Ser Lys
          70          75          80
Ser Asp Arg Ile Val Asn Glu Thr Leu Tyr Glu Xaa Xaa Ser Phe
          85          90          95

```

&lt;210&gt; 7832

&lt;211&gt; 381

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SIGNAL

&lt;222&gt; -30...-1

&lt;223&gt; score 9.3

seq LFWLCGILILALA/IW

&lt;400&gt; 7832

```

Met Ala Gly Val Ser Ala Cys Ile Lys Tyr Ser Met Phe Thr Phe Asn
-30          -25          -20          -15
Phe Leu Phe Trp Leu Cys Gly Ile Leu Ile Leu Ala Leu Ala Ile Trp
          -10          -5          1
Val Arg Val Ser Asn Asp Ser Gln Ala Ile Phe Gly Ser Glu Asp Val
          5          10          15
Gly Ser Ser Ser Tyr Val Ala Val Asp Ile Leu Ile Ala Val Gly Ala
          20          25          30
Ile Ile Met Ile Leu Gly Phe Leu Xaa Cys Cys Gly Ala Ile Lys Glu
35          40          45          50
Ser Arg Cys Met Leu Leu Leu Phe Phe Ile Gly Leu Leu Leu Ile Leu
          55          60          65
Leu Leu Gln Val Ala Thr Gly Ile Xaa Gly Ala Val Phe Lys Ser Lys
          70          75          80
Ser Asp Arg Ile Val Asn Glu Thr Leu Tyr Glu Xaa Xaa Ser Phe
          85          90          95

```

&lt;210&gt; 7833

&lt;211&gt; 363

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -32...-1  
 <223> score 5.3  
 seq VIFTVLLQSLCVA/VT

<400> 7833  
 Met Ala Met Met Glu Val Gln Gly Gly Pro Ser Leu Gly Gln Xaa Cys  
           -30                          -25                          -20  
 Val Leu Ile Val Ile Phe Thr Val Leu Leu Gln Ser Leu Cys Val Ala  
           -15                          -10                          -5  
 Val Thr Tyr Val Tyr Phe Thr Asn Glu Leu Lys Gln Met Gln Asp Lys  
 1                          5                          10                          15  
 Tyr Ser Lys Ser Gly Ile Ala Cys Phe Leu Lys Glu Asp Asp Ser Tyr  
                           20                          25                          30  
 Trp Asp Pro Asn Asp Glu Glu Ser Met Asn Ser Pro Cys Trp Gln Val  
                           35                          40                          45  
 Lys Trp Gln Leu Arg Gln Leu Val Arg Lys Met Ile Leu Arg Thr Ser  
                           50                          55                          60  
 Glu Glu Thr Ile Ser Thr Val Gln Glu Lys Gln Gln Asn Ile Ser Pro  
 65                          70                          75                          80  
 Leu Val Arg Glu Arg Gly Leu Arg Glu  
                           85

<210> 7834  
 <211> 366  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -45...-1  
 <223> score 7.2  
 seq SFALCMFVAAAGA/YV

<400> 7834  
 Met Asn Ile Phe Asp Arg Lys Ile Asn Phe Asp Ala Leu Leu Lys Phe  
           -45                          -40                          -35                          -30  
 Ser His Ile Thr Pro Ser Thr Gln Gln His Leu Lys Lys Val Tyr Ala  
                           -25                          -20                          -15  
 Ser Phe Ala Leu Cys Met Phe Val Ala Ala Gly Ala Tyr Val His  
                           -10                          -5                          1  
 Met Val Thr His Phe Ile Gln Ala Gly Leu Leu Ser Ala Leu Gly Ser  
                           5                          10                          15  
 Leu Ile Leu Met Ile Trp Leu Met Ala Thr Pro His Ser His Glu Thr  
 20                          25                          30                          35  
 Glu Gln Lys Arg Leu Gly Leu Leu Ala Gly Phe Ala Phe Leu Thr Gly  
                           40                          45                          50  
 Val Gly Leu Gly Pro Ala Trp Ser Phe Val Leu Leu Ser Thr Pro Ala  
                           55                          60                          65  
 Ser Phe Pro Leu Leu Ser Trp Ala Gln Gln

70

75

<210> 7835  
 <211> 387  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -25...-1  
 <223> score 8.9  
 seq IIAVLMSAQESWA/IK

<400> 7835  
 Met Ala Ile Ser Gly Val Pro Val Leu Gly Phe Phe Ile Ile Ala Val  
 -25 -20 -15 -10  
 Leu Met Ser Ala Gln Glu Ser Trp Ala Ile Lys Glu Glu His Val Ile  
 -5 1 5  
 Ile Gln Ala Glu Phe Tyr Leu Asn Pro Asp Gln Ser Gly Glu Phe Met  
 10 15 20  
 Phe Asp Phe Asp Gly Asp Glu Ile Phe His Val Asp Met Ala Lys Lys  
 25 30 35  
 Glu Thr Val Trp Arg Leu Glu Glu Phe Gly Arg Phe Ala Ser Phe Glu  
 40 45 50 55  
 Ala Gln Gly Ala Leu Ala Asn Ile Ala Val Asp Lys Ala Asn Leu Glu  
 60 65 70  
 Ile Met Thr Lys Arg Ser Asn Tyr Thr Pro Ile Thr Asn Val Pro Pro  
 75 80 85  
 Glu Val Thr Val Leu Thr Asn Ser Pro Val Glu Leu Arg Glu Pro Leu  
 90 95 100  
 Gly

<210> 7836  
 <211> 330  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -24...-1  
 <223> score 4.7  
 seq LLMIRSTAAATRS/SR

<400> 7836  
 Met Ile Ile Asn Asp Val Gln Ala Pro Trp Trp Leu Leu Met Ile Arg  
 -20 -15 -10  
 Ser Thr Ala Ala Ala Thr Arg Ser Ser Arg Pro Phe Ser Gly Ser Ser  
 -5 1 5  
 Glu Leu Ser Glu Asn Gln Gln Pro Gly Ala Pro Asn Ala Pro Thr His  
 10 15 20  
 Pro Ala Pro Pro Gly Leu His His His His Lys His Lys Gly Gln His  
 25 30 35 40



Arg Gln Gly His Pro Glu Asn Arg Asp Met Pro Ala Ser Glu Asp Leu  
45 50 55  
Gln Asp Leu Gln Lys Lys Leu Cys Arg Lys Arg Cys Ile Asn Gln Leu  
60 65 70  
Leu Cys Lys Leu Pro Thr Asp Ser Glu Leu Ala Pro Arg Ser  
75 80 85

<210> 7837  
<211> 309  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SIGNAL  
<222> -20...-1  
<223> score 6.9  
seq AAFLSPLLPLLLG/FL

<400> 7837  
Met Ala Ala Ala Val Pro Arg Ala Ala Phe Leu Ser Pro Leu Leu Pro  
-20 -15 -10 -5  
Leu Leu Leu Gly Phe Leu Leu Leu Ser Ala Pro His Gly Gly Ser Gly  
1 5 10  
Leu His Thr Lys Gly Ala Leu Pro Leu Asp Thr Val Thr Phe Tyr Lys  
15 20 25  
Val Ile Pro Lys Ser Lys Phe Val Leu Val Lys Phe Asp Thr Gln Tyr  
30 35 40  
Pro Tyr Gly Glu Lys Gln Asp Glu Phe Lys Arg Leu Ala Glu Asn Ser  
45 50 55 60  
Ala Ser Ser Asp Asp Leu Leu Val Ala Glu Val Gly Ile Ser Asp Tyr  
65 70 75  
Gly Asp Lys Arg Thr Trp Ser  
80

<210> 7838  
<211> 303  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SIGNAL  
<222> -17...-1  
<223> score 10.4  
seq LLPALFLVLLVLG/FE

<400> 7838  
Met Gly Thr Arg Leu Leu Pro Ala Leu Phe Leu Val Leu Leu Val Leu  
-15 -10 -5  
Gly Phe Glu Val Gln Gly Thr Gln Gln Pro Gln Gln Asp Glu Met Pro  
1 5 10 15  
Ser Pro Thr Phe Leu Thr Gln Val Lys Glu Ser Leu Ser Ser Tyr Trp  
20 25 30

Glu Ser Ala Lys Thr Ala Ala Gln Asn Leu Tyr Glu Lys Thr Tyr Leu  
                   35                  40                  45  
 Pro Ala Val Asp Glu Lys Leu Arg Asp Leu Tyr Ser Lys Ser Thr Ala  
           50                  55                  60  
 Ala Met Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val Leu Ser Val  
       65                  70                  75  
 Leu Lys Gly Glu Glu  
 80

<210> 7839  
 <211> 312  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -24...-1  
 <223> score 6.5  
       seq LSICLSAVATATG/AE

<400> 7839  
 Met Arg Leu Ser Trp Phe Arg Val Leu Thr Val Leu Ser Ile Cys Leu  
                   -20                  -15                  -10  
 Ser Ala Val Ala Thr Ala Thr Gly Ala Glu Gly Lys Arg Lys Leu Gln  
           -5                  1                  5  
 Ile Gly Val Lys Lys Arg Val Asp His Cys Pro Ile Lys Ser Arg Lys  
       10                  15                  20  
 Gly Asp Val Leu His Met His Tyr Thr Gly Lys Leu Glu Asp Gly Thr  
   25                  30                  35                  40  
 Glu Phe Asp Ser Ser Leu Pro Gln Asn Gln Pro Phe Val Phe Ser Leu  
           45                  50                  55  
 Gly Thr Gly Gln Val Ile Lys Gly Trp Asp Gln Xaa Leu Leu Gly Met  
       60                  65                  70  
 Cys Glu Gly Glu Lys Arg Xaa Trp  
       75                  80

<210> 7840  
 <211> 345  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -17...-1  
 <223> score 4.4  
       seq AWATALFSSNVFP/LP

<400> 7840  
 Met Pro Leu Pro Ala Trp Ala Thr Ala Leu Phe Ser Ser Asn Val Phe  
           -15                  -10                  -5  
 Pro Leu Pro Gly Leu Ala Val Ser Ser Phe Ile Phe Glu Lys Asn His  
       1                  5                  10                  15

Leu Leu Ile Lys Cys Xaa Asn Phe Ala Leu Ser Leu His Glu Gly Cys  
                   20                  25                  30  
 Leu Gly Tyr Pro Thr Arg Gln Arg Ala Leu Val Ser Asn Tyr Arg Lys  
                   35                  40                  45  
 Ser Thr Pro Glu Gln Ser Ser Tyr Leu His Thr Asn Asn Ser Gly Ala  
                   50                  55                  60  
 Cys Ile Tyr Val Thr Ile Xaa Ser Cys Xaa Arg Leu Ala Arg Gly Val  
                   65                  70                  75  
 Phe Asn Pro Ile Arg Arg Ser Phe Lys Arg Met Ser Ala Lys Trp Ser  
                   80                  85                  90                  95  
 Lys Gly Ser

<210> 7841  
 <211> 351  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -27..-1  
 <223> score 3.6  
       seq ACLLCSLVKTIDQ/FE

<400> 7841  
 Met Ala Leu Glu Thr Val Pro Lys Asp Leu Arg His Leu Arg Ala Cys  
                   -25                  -20                  -15  
 Leu Leu Cys Ser Leu Val Lys Thr Ile Asp Gln Phe Glu Tyr Asp Gly  
                   -10                  -5                  1                  5  
 Cys Asp Asn Cys Asp Ala Tyr Leu Gln Met Lys Gly Asn Arg Glu Met  
                   10                  15                  20  
 Val Tyr Asp Cys Thr Ser Ser Ser Phe Asp Gly Ile Ile Ala Met Met  
                   25                  30                  35  
 Ser Pro Glu Asp Ser Trp Val Ser Lys Trp Gln Arg Val Ser Asn Phe  
                   40                  45                  50  
 Lys Pro Gly Val Tyr Ala Val Ser Val Thr Gly Arg Leu Pro Gln Gly  
                   55                  60                  65  
 Ile Val Arg Glu Leu Lys Ser Arg Gly Val Ala Tyr Lys Ser Arg Asp  
                   70                  75                  80                  85  
 Thr Ala Ile Lys Thr  
                   90

<210> 7842  
 <211> 333  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -42..-1  
 <223> score 7.4  
       seq SLSVLVLLLTIIA/VT

004220"666E.F560

# DESIGNING

seq LLSGALALTETWA/XS

**SECRET**

<210> 7845

<212> PRT

<212> PRT

**<220>**

<221> SIGNAL

<222> -20..-1

```
<223> score 10.4
```

<400> 7845

<210> 7846

<211> 345

<212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -20...-1  
 <223> score 10.4  
 seq VLFGLLLVLAVFC/HS

<400> 7846  
 Met Gly Ile Gln Gly Gly Ser Val Leu Phe Gly Leu Leu Leu Val Leu  
 -20 -15 -10 -5  
 Ala Val Phe Cys His Ser Gly His Ser Leu Gln Cys Tyr Asn Cys Pro  
 1 5 10  
 Asn Pro Thr Ala Asp Cys Lys Thr Ala Val Asn Cys Ser Ser Asp Phe  
 15 20 25  
 Asp Ala Cys Leu Ile Thr Lys Ala Gly Leu Gln Val Tyr Asn Lys Cys  
 30 35 40  
 Trp Lys Phe Glu His Cys Asn Phe Asn Asp Val Thr Thr Arg Leu Arg  
 45 50 55 60  
 Glu Asn Glu Leu Thr Tyr Tyr Cys Cys Lys Lys Asp Leu Cys Asn Phe  
 65 70 75  
 Asn Glu Gln Leu Glu Asn Gly Gly Thr Ser Leu Ser Glu Lys Gln Phe  
 80 85 90  
 Phe Cys Trp  
 95

<210> 7847  
 <211> 345  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -20...-1  
 <223> score 10.4  
 seq VLFGLLLVLAVFC/HS

<400> 7847  
 Met Gly Ile Gln Gly Gly Ser Val Leu Phe Gly Leu Leu Leu Val Leu  
 -20 -15 -10 -5  
 Ala Val Phe Cys His Ser Gly His Ser Leu Gln Cys Tyr Asn Cys Pro  
 1 5 10  
 Asn Pro Thr Ala Asp Cys Lys Thr Ala Val Asn Cys Ser Ser Asp Phe  
 15 20 25  
 Asp Ala Cys Leu Ile Thr Lys Ala Gly Leu Gln Val Tyr Asn Lys Cys  
 30 35 40  
 Trp Lys Phe Glu His Cys Asn Phe Asn Asp Val Thr Thr Arg Leu Arg  
 45 50 55 60  
 Glu Asn Glu Leu Thr Tyr Tyr Cys Cys Lys Lys Asp Leu Cys Asn Phe  
 65 70 75  
 Asn Glu Gln Leu Glu Asn Gly Gly Thr Ser Leu Ser Glu Lys Gln Phe

80  
Phe Cys Trp  
95

85

90

<210> 7848  
<211> 594  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SIGNAL  
<222> -48..-1  
<223> score 5.1  
seq SAPLCLLCGSSS/PA

<400> 7848  
Met Pro Glu Leu Ile Leu Tyr Val Ala Ile Thr Leu Ser Val Ala Glu  
                  -45                  -40                  -35  
Arg Leu Val Gly Pro Gly His Ala Cys Ala Glu Pro Ser Phe Arg Ser  
                  -30                  -25                  -20  
Ser Arg Cys Ser Ala Pro Leu Cys Leu Leu Cys Ser Gly Ser Ser Ser  
                  -15                  -10                  -5  
Pro Ala Thr Ala Pro His Pro Leu Lys Met Phe Ala Cys Ser Lys Phe  
1                  5                  10                  15  
Val Ser Thr Pro Ser Leu Val Lys Ser Thr Ser Gln Leu Leu Ser Arg  
                  20                  25                  30  
Pro Leu Ser Ala Val Val Leu Lys Arg Pro Glu Ile Leu Thr Asp Glu  
                  35                  40                  45  
Ser Leu Ser Ser Leu Ala Val Ser Cys Pro Leu Thr Ser Leu Val Ser  
50                  55                  60  
Ser Arg Ser Phe Gln Thr Ser Ala Ile Ser Arg Asp Ile Asp Thr Ala  
65                  70                  75                  80  
Ala Lys Phe Ile Gly Ala Gly Ala Ala Thr Val Gly Val Ala Gly Ser  
                  85                  90                  95  
Gly Ala Gly Ile Gly Thr Val Phe Gly Ser Leu Ile Ile Gly Tyr Ala  
                  100                  105                  110  
Arg Asn Pro Ser Leu Lys Gln Gln Leu Phe Ser Tyr Ala Ile Leu Gly  
115                  120                  125  
Phe Ala Leu Ser Glu Ala Met Gly Leu Phe Cys Leu Met Val Ala Phe  
130                  135                  140  
Leu Ile Leu Phe Ala Met  
145                  150

<210> 7849  
<211> 465  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SIGNAL  
<222> -19..-1  
<223> score 3.5  
seq RLLRASVARHVSA/IP

&lt;400&gt; 7849

```

Met Ala Ala Ala Val Gly Arg Leu Leu Arg Ala Ser Val Ala Arg His
      -15                      -10                      -5
Val Ser Ala Ile Pro Trp Gly Ile Ser Ala Thr Ala Ala Leu Arg Pro
      1                      5                      10
Ala Ala Cys Gly Arg Thr Ser Leu Thr Asn Leu Leu Cys Ser Gly Ser
      15                      20                      25
Ser Gln Ala Lys Leu Phe Ser Thr Ser Ser Ser Cys His Ala Pro Ala
30                      35                      40                      45
Val Thr Gln His Ala Pro Tyr Phe Lys Gly Thr Ala Val Val Asn Gly
      50                      55                      60
Glu Phe Lys Asp Leu Ser Leu Asp Asp Phe Lys Gly Lys Tyr Leu Val
      65                      70                      75
Leu Phe Phe Tyr Pro Leu Asp Phe Thr Phe Val Cys Pro Thr Glu Ile
      80                      85                      90
Val Ala Phe Ser Asp Lys Ala Asn Glu Phe His Asp Val Asn Cys Glu
      95                      100                      105
Val Val Ala Val Ser Val Asp Ser His Phe Ser His Leu Ala Trp Ile
110                      115                      120                      125
Asn Thr Pro Arg Lys Asn Gly Gly Leu Gly Thr
      130                      135

```

&lt;210&gt; 7850

&lt;211&gt; 303

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SIGNAL

&lt;222&gt; -27..-1

&lt;223&gt; score 10.9

seq LFLGXLLLPLVVA/FA

&lt;400&gt; 7850

```

Met Ser Ser Ala Ala Gly Phe Cys Ala Ser Arg Pro Gly Leu Leu Phe
      -25                      -20                      -15
Leu Gly Xaa Leu Leu Leu Pro Leu Val Val Ala Phe Ala Ser Ala Glu
      -10                      -5                      1                      5
Ala Glu Glu Asp Gly Asp Leu Gln Cys Leu Cys Val Lys Thr Thr Ser
      10                      15                      20
Gln Val Arg Pro Arg His Ile Thr Ser Leu Glu Val Ile Lys Ala Gly
      25                      30                      35
Pro His Cys Pro Thr Ala Gln Leu Ile Ala Thr Leu Lys Asn Gly Arg
      40                      45                      50
Lys Ile Cys Leu Asp Leu Gln Ala Pro Leu Tyr Lys Lys Ile Ile Lys
      55                      60                      65
Lys Leu Leu Glu Ser
70

```

&lt;210&gt; 7851

&lt;211&gt; 318



<212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -30..-1  
 <223> score 5.9  
 seq LGVNLVMPPTXA/RS

<400> 7851  
 Met Ala Gly Lys Arg Ser Gly Trp Ser Arg Ala Ala Leu Leu Gln Leu  
 -30 -25 -20 -15  
 Leu Leu Gly Val Asn Leu Val Val Met Pro Pro Thr Xaa Ala Arg Ser  
 -10 -5 1  
 Leu Arg Phe Val Thr Leu Leu Tyr Arg His Gly Asp Arg Ser Pro Val  
 5 10 15  
 Lys Thr Tyr Pro Lys Asp Pro Tyr Gln Glu Glu Glu Trp Pro Gln Gly  
 20 25 30  
 Phe Gly Gln Leu Thr Lys Glu Gly Met Leu Gln His Trp Glu Leu Gly  
 35 40 45 50  
 Gln Ala Leu Arg Gln Arg Tyr His Gly Phe Leu Asn Thr Ser Tyr His  
 55 60 65  
 Arg Gln Glu Val Tyr Val Arg Xaa Asp Leu  
 70 75

<210> 7852  
 <211> 591  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -19..-1  
 <223> score 5.1  
 seq SLLWAATCLGVLC/VL

<400> 7852  
 Met Ser Arg Leu Ser Arg Ser Leu Leu Trp Ala Ala Thr Cys Leu Gly  
 -15 -10 -5  
 Val Leu Cys Val Leu Ser Ala Asp Lys Asn Thr Thr Gln His Pro Asn  
 1 5 10  
 Val Thr Thr Leu Ala Pro Ile Ser Asn Val Thr Ser Ala Pro Val Thr  
 15 20 25  
 Ser Leu Pro Leu Val Thr Thr Pro Ala Pro Glu Thr Cys Glu Gly Arg  
 30 35 40 45  
 Asn Ser Cys Val Ser Cys Phe Asn Val Ser Val Val Asn Thr Thr Cys  
 50 55 60  
 Phe Trp Ile Glu Cys Lys Asp Glu Ser Tyr Cys Ser His Asn Ser Thr  
 65 70 75  
 Val Ser Asp Cys Gln Val Gly Asn Thr Thr Asp Phe Cys Ser Val Ser  
 80 85 90  
 Thr Ala Thr Pro Val Pro Thr Ala Asn Ser Thr Ala Lys Pro Thr Val

95						100						105					
Gln	Pro	Ser	Pro	Ser	Thr	Thr	Ser	Lys	Thr	Val	Thr	Thr	Ser	Gly	Thr		
110					115					120					125		
Thr	Asn	Asn	Thr	Val	Thr	Pro	Thr	Ser	Gln	Pro	Val	Arg	Lys	Ser	Thr		
				130					135					140			
Phe	Asp	Ala	Ala	Ser	Phe	Ile	Gly	Gly	Ile	Val	Leu	Val	Xaa	Gly	Val		
			145					150					155				
Xaa	Ala	Val	Ile	Phe	Phe	Leu	Tyr	Lys	Xaa	Cys	Lys	Xaa	Lys	Glu	Arg		
		160					165					170					
Asn	Tyr	His	Thr	Leu													
175																	

<210> 7853  
 <211> 381  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -26..-1  
 <223> score 10.4  
 seq LCLCVLVVLACIGA/CQ

<400> 7853																	
Met	Ser	Leu	Leu	Arg	Asn	Arg	Leu	Gln	Ala	Leu	Pro	Ala	Leu	Cys	Leu		
-25					-20					-15							
Cys	Val	Leu	Val	Leu	Ala	Cys	Ile	Gly	Ala	Cys	Gln	Pro	Glu	Ala	Gln		
-10				-5					1				5				
Glu	Gly	Thr	Xaa	Ser	Pro	Pro	Pro	Lys	Leu	Lys	Met	Ser	Arg	Trp	Ser		
		10					15					20					
Leu	Val	Arg	Gly	Arg	Met	Lys	Glu	Leu	Leu	Glu	Thr	Val	Val	Asn	Arg		
	25				30						35						
Thr	Arg	Xaa	Gly	Trp	Gln	Trp	Phe	Trp	Ser	Pro	Ser	Thr	Phe	Arg	Gly		
40				45					50								
Phe	Met	Gln	Thr	Tyr	Tyr	Asp	Asp	His	Leu	Arg	Asp	Leu	Gly	Pro	Arg		
55				60					65					70			
Thr	Lys	Ala	Trp	Phe	Leu	Glu	Ser	Lys	Asp	Ser	Leu	Leu	Lys	Lys	Thr		
			75					80					85				
His	Ser	Leu	Cys	Pro	Arg	Leu	Val	Cys	Gly	Asp	Xaa	Asp	Gln	Gly			
		90						95					100				

<210> 7854  
 <211> 402  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -17..-1  
 <223> score 9.3  
 seq LALSLLILVLAFG/IP

<400> 7854

```

Met Ala Gln Ser Leu Ala Leu Ser Leu Leu Ile Leu Val Leu Ala Phe
      -15                -10                -5
Gly Ile Pro Arg Thr Gln Gly Ser Asp Gly Gly Ala Gln Asp Cys Cys
      1                5                10                15
Leu Lys Tyr Ser Gln Arg Lys Ile Pro Ala Lys Val Val Arg Ser Tyr
      20                25                30
Arg Lys Gln Glu Pro Ser Leu Gly Cys Ser Ile Pro Ala Ile Leu Phe
      35                40                45
Leu Pro Arg Lys Arg Ser Gln Ala Glu Leu Cys Ala Asp Pro Lys Glu
      50                55                60
Leu Trp Val Gln Gln Leu Met Gln His Leu Asp Lys Thr Pro Ser Pro
      65                70                75
Gln Lys Pro Ala Gln Gly Cys Arg Lys Asp Arg Gly Ala Ser Lys Thr
      80                85                90                95
Gly Lys Lys Gly Lys Gly Ser Lys Gly Cys Lys Arg Thr Lys Arg Ser
      100                105                110
Gln Thr Pro Lys Gly Pro
      115

```

<210> 7855

<211> 348

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -27...-1

<223> score 8.6

seq IVLALGCVTGAPS/DP

<400> 7855

```

Met Leu Ser Cys Arg Leu Gln Cys Ala Leu Ala Ala Leu Ser Ile Val
      -25                -20                -15
Leu Ala Leu Gly Cys Val Thr Gly Ala Pro Ser Asp Pro Arg Leu Arg
      -10                -5                1                5
Gln Phe Leu Gln Lys Ser Leu Ala Ala Ala Gly Lys Gln Glu Leu
      10                15                20
Ala Lys Tyr Phe Leu Ala Glu Leu Leu Ser Glu Pro Asn Gln Thr Glu
      25                30                35
Asn Asp Ala Leu Glu Pro Glu Asp Leu Ser Gln Ala Ala Glu Gln Asp
      40                45                50
Glu Met Arg Leu Glu Leu Gln Arg Ser Ala Asn Ser Asn Pro Ala Met
      55                60                65
Ala Pro Arg Glu Arg Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr
      70                75                80                85
Phe Thr Ser Cys

```

<210> 7856

<211> 366

<212> PRT

<213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -15...-1  
 <223> score 4.2  
 seq LSHLQGISGPILG/QP

<400> 7856  
 Met Asp Leu Ser His Leu Gln Gly Ile Ser Gly Pro Ile Leu Gly Gln  
 -15 -10 -5 1  
 Pro Phe Tyr Pro Leu Pro Ala Ala Ser His Pro Leu Leu Asn Pro Arg  
 5 10 15  
 Pro Gly Thr Pro Leu His Leu Ala Met Val Gln Gln Gln Leu Gln Arg  
 20 25 30  
 Ser Val Leu His Pro Pro Gly Ser Gly Ser His Ala Ala Ala Val Ser  
 35 40 45  
 Val Gln Thr Thr Pro Gln Asn Val Pro Ser Arg Ser Gly Leu Pro His  
 50 55 60 65  
 Met His Ser Gln Leu Glu His Arg Gln Pro Glu Glu Gln Leu Pro Cys  
 70 75 80  
 Gly Pro Cys Gln Met Val Trp Leu Arg Cys Ala Thr Ala Thr Pro Ala  
 85 90 95  
 Leu His Ala Arg Gln Ser Tyr Gln Cys Arg  
 100 105

<210> 7857  
 <211> 426  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -43...-1  
 <223> score 5.1  
 seq PTLGAFWLAVLLA/DM

<400> 7857  
 Met Arg Ser His Pro Gly Ala Gln Leu Phe Pro Arg Ser Gly Pro Thr  
 -40 -35 -30  
 His Pro Ala Ser Leu His Gln Arg Ser Pro Ala Ala Cys Pro Pro Thr  
 -25 -20 -15  
 Leu Gly Ala Phe Trp Leu Ala Val Leu Leu Ala Asp Met Arg Gln Arg  
 -10 -5 1 5  
 Leu Leu Pro Ser Val Thr Ser Leu Leu Leu Val Ala Leu Leu Phe Pro  
 10 15 20  
 Gly Ser Ser Gln Ala Arg His Val Asn His Ser Ala Thr Glu Ala Leu  
 25 30 35  
 Gly Glu Leu Arg Glu Arg Ala Pro Gly Gln Gly Thr Asn Gly Phe Gln  
 40 45 50  
 Leu Leu Arg His Ala Val Gln Met Gly Pro Leu Thr Thr Ala His Pro  
 55 60 65  
 Thr Leu Pro Arg Gly Cys Ser Thr Gly Asn Glu Lys Tyr His Leu Pro  
 70 75 80 85

Tyr Ala Ala Arg Asp Leu Gln Thr Phe Phe Leu Pro Phe Trp  
 90 95

<210> 7858  
 <211> 441  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -40..-1  
 <223> score 4.6  
 seq ITGVILLAVGVWG/KL

<400> 7858  
 Met Ala Ser Arg Arg Met Glu Thr Lys Pro Val Ile Thr Cys Leu Lys  
 -40 -35 -30 -25  
 Thr Leu Leu Ile Ile Tyr Ser Phe Val Phe Trp Ile Thr Gly Val Ile  
 -20 -15 -10  
 Leu Leu Ala Val Gly Val Trp Gly Lys Leu Thr Leu Gly Thr Tyr Ile  
 -5 1 5  
 Ser Leu Ile Ala Glu Asn Ser Thr Asn Ala Pro Tyr Val Leu Ile Gly  
 10 15 20  
 Thr Gly Thr Thr Ile Val Val Phe Gly Leu Phe Gly Cys Phe Ala Thr  
 25 30 35 40  
 Cys Arg Gly Ser Pro Trp Met Leu Lys Leu Tyr Ala Met Phe Leu Ser  
 45 50 55  
 Leu Val Phe Leu Ala Glu Leu Val Ala Gly Ile Ser Gly Phe Val Phe  
 60 65 70  
 Arg His Glu Ile Lys Asp Thr Phe Leu Arg Thr Tyr Thr Asp Ala Met  
 75 80 85  
 Gln Thr Tyr Asn Gly Asn Asp Glu Arg Ser Arg Ala Val Asp His Val  
 90 95 100  
 Gln Arg Xaa  
 105

<210> 7859  
 <211> 354  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -21..-1  
 <223> score 9.3  
 seq GLLAALAVCGSWG/LN

<400> 7859  
 Met Glu Gly Pro Val Leu Thr Leu Gly Leu Leu Ala Ala Leu Ala Val  
 -20 -15 -10  
 Cys Gly Ser Trp Gly Leu Asn Glu Glu Glu Arg Leu Ile Arg His Leu  
 -5 1 5 10

Phe Gln Glu Lys Gly Tyr Asn Lys Glu Leu Arg Pro Val Ala His Lys  
15 20 25  
Glu Glu Ser Val Asp Val Ala Leu Ala Leu Thr Leu Ser Asn Leu Ile  
30 35 40  
Ser Leu Lys Glu Val Glu Glu Thr Leu Thr Thr Asn Val Trp Ile Glu  
45 50 55  
His Gly Trp Thr Asp Asn Arg Leu Lys Trp Xaa Ala Glu Glu Phe Gly  
60 65 70 75  
Asn Ile Ser Val Xaa Arg Leu Pro Pro Asp Met Val Trp Leu Arg Asp  
80 85 90  
Cys Ala Gly Glu Gln Gln  
95

<210> 7860  
<211> 366  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SIGNAL  
<222> -27...-1  
<223> score 5.7  
seq LVSLFCSCFLADP/LN

<400> 7860  
Met Thr Leu Ala Ala Tyr Lys Glu Lys Met Lys Glu Leu Pro Leu Val  
-25 -20 -15  
Ser Leu Phe Cys Ser Cys Phe Leu Ala Asp Pro Leu Asn Lys Ser Ser  
-10 -5 1 5  
Tyr Lys Tyr Glu Ala Asp Thr Val Asp Leu Asn Trp Cys Val Ile Ser  
10 15 20  
Asp Met Glu Val Ile Glu Leu Asn Lys Cys Thr Ser Gly Gln Ser Phe  
25 30 35  
Glu Val Ile Leu Lys Pro Pro Ser Phe Asp Gly Val Pro Glu Phe Asn  
40 45 50  
Ala Ser Leu Pro Arg Arg Arg Asp Pro Ser Leu Glu Glu Ile Gln Lys  
55 60 65  
Lys Leu Glu Ala Ala Glu Gly Ala Lys Glu Val Pro Gly Ser Gly Xaa  
70 75 80 85  
Leu Lys His Leu Ala Glu Lys Thr Gly Thr  
90 95

<210> 7861  
<211> 342  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SIGNAL  
<222> -48...-1  
<223> score 4.6  
seq VFSGFLLLLFSLT/QF

0044220"566E.F560

05130900

<210> 7863

<211> 402  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -47..-1  
 <223> score 4.9  
 seq LSDGLSLAAPGWG/VP

<400> 7863  
 Met Ala Leu Ala Ser Val Leu Glu Arg Pro Leu Pro Val Asn Gln Arg  
           -45                          -40                          -35  
 Gly Phe Phe Gly Leu Gly Gly Arg Ala Asp Leu Leu Asp Leu Gly Pro  
           -30                          -25                          -20  
 Gly Ser Leu Ser Asp Gly Leu Ser Leu Ala Ala Pro Gly Trp Gly Val  
           -15                          -10                          -5                          1  
 Pro Glu Glu Pro Gly Ile Glu Met Leu His Gly Thr Thr Thr Leu Ala  
                           5                          10                          15  
 Phe Lys Phe Arg His Gly Val Ile Val Ala Ala Asp Ser Arg Ala Thr  
           20                          25                          30  
 Ala Gly Ala Tyr Ile Ala Ser Gln Thr Val Lys Lys Val Ile Glu Ile  
           35                          40                          45  
 Asn Pro Tyr Leu Leu Gly Thr Met Ala Gly Gly Ala Arg Ile Ala Ala  
           50                          55                          60                          65  
 Ser Gly Asn Gly Cys Trp Leu Gly Asn Val Glu Ser Met Ser Phe Glu  
                           70                          75                          80  
 Ile Arg Asn Ala Ser Leu  
                           85

<210> 7864  
 <211> 372  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -30..-1  
 <223> score 9.9  
 seq LLFGFTLVSGTGA/EK

<400> 7864  
 Met Pro Ala Cys Arg Leu Gly Pro Leu Ala Ala Ala Leu Leu Leu Ser  
           -30                          -25                          -20                          -15  
 Leu Leu Leu Phe Gly Phe Thr Leu Val Ser Gly Thr Gly Ala Glu Lys  
                           -10                          -5                          1  
 Thr Gly Val Cys Pro Glu Leu Gln Ala Asp Gln Asn Cys Thr Gln Glu  
           5                          10                          15  
 Cys Val Ser Asp Ser Glu Cys Ala Asp Asn Leu Lys Cys Cys Ser Ala  
           20                          25                          30  
 Gly Cys Ala Thr Phe Cys Ser Leu Pro Asn Asp Lys Glu Gly Ser Cys  
           35                          40                          45                          50



Pro	Gln	Val	Asn	Ile	Asn	Phe	Pro	Gln	Leu	Gly	Leu	Cys	Arg	Asp	Gln
			55					60						65	
Cys	Gln	Val	Asp	Ser	Gln	Cys	Pro	Gly	Gln	Met	Lys	Cys	Cys	Arg	Asn
		70						75					80		
Gly	Cys	Gly	Lys	Val	Ser	Cys	Val	Thr	Pro	Asn	Phe				
		85					90								

<210> 7865  
 <211> 429  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -37...-1  
 <223> score 4.2  
 seq LADVCLDTPLCNG/HT

Met	Gly	Leu	Pro	Gln	Asn	Arg	Ile	Ile	Phe	Ser	Pro	Val	Ala	Pro	Lys
		-35					-30					-25			
Glu	Glu	His	Val	Arg	Arg	Gly	Gln	Leu	Ala	Asp	Val	Cys	Leu	Asp	Thr
		-20				-15					-10				
Pro	Leu	Cys	Asn	Gly	His	Thr	Thr	Gly	Met	Asp	Val	Leu	Trp	Ala	Gly
					1				5					10	
Thr	Pro	Met	Val	Thr	Met	Pro	Gly	Glu	Thr	Leu	Ala	Ser	Arg	Val	Ala
			15				20					25			
Ala	Ser	Gln	Leu	Thr	Cys	Leu	Gly	Cys	Leu	Glu	Leu	Ile	Ala	Lys	Asn
		30					35					40			
Arg	Gln	Glu	Tyr	Glu	Asp	Ile	Ala	Val	Lys	Leu	Gly	Thr	Asp	Leu	Glu
		45				50					55				
Tyr	Leu	Lys	Lys	Val	Arg	Gly	Lys	Val	Trp	Lys	Gln	Arg	Ile	Ser	Ser
		60			65				70					75	
Pro	Leu	Phe	Asn	Thr	Lys	Gln	Tyr	Thr	Met	Glu	Leu	Glu	Arg	Leu	Tyr
			80						85					90	
Leu	Gln	Met	Trp	Glu	His	Tyr	Ala	Ala	Gly	Xaa	Asn	Leu	Thr	Thr	
			95					100					105		

<210> 7866  
 <211> 345  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -39...-1  
 <223> score 4.3  
 seq IHISWLSLSRVNC/SQ

Met	Lys	Pro	Pro	Ser	Ser	Ile	Gln	Thr	Ser	Glu	Phe	Asp	Ser	Ser	Asp
				-35					-30					-25	

004221 666T560

Glu Glu Pro Ile Glu Asp Glu Gln Thr Pro Ile His Ile Ser Trp Leu  
 -20 -15 -10  
 Ser Leu Ser Arg Val Asn Cys Ser Gln Phe Leu Gly Leu Cys Ala Leu  
 -5 1 5  
 Pro Gly Cys Lys Phe Lys Asp Val Arg Arg Asn Val Gln Lys Asp Thr  
 10 15 20 25  
 Glu Glu Leu Lys Ser Cys Gly Ile Gln Asp Ile Phe Val Phe Cys Thr  
 30 35 40  
 Arg Gly Glu Leu Ser Lys Tyr Arg Val Pro Asn Leu Leu Asp Leu Tyr  
 45 50 55  
 Gln Gln Cys Gly Ile Ile Thr His His Pro Ile Ala Asp Gly Gly  
 60 65 70  
 Thr Leu Thr  
 75

<210> 7867  
 <211> 357  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -16...-1  
 <223> score 6.5  
 seq VLXL FVCLFETES/XS

<400> 7867  
 Met Ile Phe Val Leu Xaa Leu Phe Val Cys Leu Phe Glu Thr Glu Ser  
 -15 -10 -5  
 Xaa Ser Val Ala Arg Ala Gly Val Gln Trp His Gly Leu Val Ser Leu  
 1 5 10 15  
 Arg Pro Leu Pro Pro Gly Phe Lys Arg Phe Ser Cys Leu Ser Leu Leu  
 20 25 30  
 Ser Ser Trp Asp Tyr Arg Arg Val Pro Pro Arg Leu Ala Asn Phe Cys  
 35 40 45  
 Ile Phe Ser Arg Asp Gly Val Met Pro Phe Asp Gln Ala Gly Leu Glu  
 50 55 60  
 Leu Leu Thr Ser Ser Asp Pro Pro Ala Leu Ala Phe Gln Gly Ala Gly  
 65 70 75 80  
 Ile Ala Gly Val Ser His Glu Ala Trp Pro Gly Ile Cys Leu Phe Val  
 85 90 95  
 Ile Gly Leu Phe Leu Leu Ala  
 100

<210> 7868  
 <211> 318  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -49...-1  
 <223> score 5.9

seq FVFIFVXLRESLA/LL

<400> 7868

Met	Ile	Leu	Leu	Asp	Ile	His	Thr	Tyr	Leu	Leu	Lys	Lys	Tyr	Leu	Phe
				-45					-40					-35	
Ile	Ser	Phe	Thr	Tyr	Tyr	Leu	Ile	Gly	Leu	Asn	Phe	Phe	Phe	Leu	Phe
			-30					-25					-20		
Ser	Cys	Trp	Phe	Phe	Val	Phe	Ile	Phe	Val	Xaa	Leu	Arg	Glu	Ser	Leu
		-15					-10					-5			
Ala	Leu	Leu	Pro	Arg	Leu	Glu	Cys	Ser	Gly	Val	Ile	Ser	Ala	His	Cys
1					5					10				15	
Lys	Leu	Cys	Leu	Leu	Gly	Ser	His	His	Ser	Pro	Ala	Ser	Ala	Ser	Gln
			20						25					30	
Val	Ala	Gly	Thr	Thr	Gly	Ala	Xaa	His	Tyr	Ala	Trp	Leu	Ile	Phe	Cys
			35					40					45		
Ile	Phe	Ser	Arg	Asp	Gly	Val	Ser	Leu	Cys						
		50					55								

<210> 7869

<211> 393

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -37...-1

<223> score 10.1

seq LLGLCVCLSGCST/ET

<400> 7869

Met	Gly	Gly	Ser	Phe	Ala	Leu	Gln	Asp	Ser	Phe	Ser	Ser	Leu	Gln	Gly
		-35					-30					-25			
Leu	Leu	Gly	Pro	Glu	Tyr	Val	Lys	Leu	Leu	Gly	Leu	Cys	Val	Cys	Leu
		-20				-15					-10				
Ser	Gly	Cys	Ser	Thr	Glu	Thr	Leu	His	Thr	Gln	Leu	Cys	Ile	Ser	Asp
-5				1				5					10		
Pro	Xaa	Pro	Trp	Trp	His	Gly	Leu	Thr	Arg	Arg	Ser	Pro	Asp	Leu	Trp
		15					20					25			
Val	Ala	Lys	Ile	Cys	Gly	Arg	Ser	Val	Val	Ser	Trp	Met	Gly	Ser	His
	30					35						40			
Asn	His	Ser	Leu	Leu	Pro	Leu	Ala	Gly	Gly	Gly	Ala	Phe	Phe	Leu	Ala
45					50					55					
Pro	Cys	Cys	Ser	Trp	Ala	Gly	Asp	Cys	Pro	Thr	Pro	Phe	Phe	Phe	Ile
60				65					70						75
Leu	Cys	Gly	Ser	Xaa	Xaa	Ser	Leu	Gly	Gln	Ser	Ile	Val	Xaa	Xaa	Gly
			80						85						90
Tyr	Phe	Ser													

<210> 7870

<211> 336

<212> PRT

<213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -49...-1  
 <223> score 7.7  
 seq LCLLGSSDSPASA/SQ

<400> 7870  
 Met His Val Val Val Val Val Val Val Val Val Val Val Val Val Val Val Leu Arg  
                               -45                              -40                              -35  
 Gln Ser Leu Ala Leu Leu Pro Arg Leu Glu Cys Ser Gly Thr Ile Leu  
                               -30                              -25                              -20  
 Ala His Cys Ser Leu Cys Leu Leu Gly Ser Ser Asp Ser Pro Ala Ser  
                               -15                              -10                              -5  
 Ala Ser Gln Val Ala Arg Thr Thr Gly Met Cys His His Thr Gln Leu  
       1                              5                              10                              15  
 Ile Phe Val Phe Leu Ile Glu Thr Gly Phe Leu His Ile Gly Gln Ala  
                               20                              25                              30  
 Ala Leu Glu Leu Leu Thr Ser Gly Asp Pro Pro Ala Ser Ala Ser Gln  
                               35                              40                              45  
 Ser Ala Gly Ile Thr Gly Val Xaa Thr Thr Pro Gly Arg Leu Ser Asn  
                               50                              55                              60

<210> 7871  
 <211> 303  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -23...-1  
 <223> score 4.6  
 seq LFFYFILWRRSLA/LS

<400> 7871  
 Met Xaa Met Ser Val Ser Lys Phe Pro Phe Leu Phe Phe Tyr Phe Ile  
                               -20                              -15                              -10  
 Leu Trp Arg Arg Ser Leu Ala Leu Ser Pro Arg Leu Glu Cys Ser Gly  
                               -5                              1                              5  
 Pro Ile Leu Ala His Cys Asn Leu Arg Leu Leu Gly Ser Ser Asn Ser  
       10                              15                              20                              25  
 Pro Thr Leu Ala Ser Arg Val Ala Gly Thr Thr Gly Ala Arg Cys His  
                               30                              35                              40  
 Ala Trp Leu Ile Phe Cys Ile Phe Ser Arg Asp Gly Phe Ser Pro Cys  
                               45                              50                              55  
 Cys Pro Gly Trp Ser Gly Thr Pro Glu Leu Arg Gln Ser Thr His Leu  
                               60                              65                              70  
 Gly Leu Pro Arg Tyr  
       75

<210> 7872  
 <211> 408

<212> PRT  
<213> Homo sapiens

<220>  
<221> SIGNAL  
<222> -38..-1  
<223> score 7  
seq LVMVWLGLLPLFS/GP

<400> 7872  
Met Ala Asn Ala Ile Ile Lys Lys Pro Cys Ala Met Pro Ala Gln Pro  
-35 -30 -25  
His Thr Gly Asn Leu Leu Trp Pro Pro Leu Val Met Val Trp Leu Gly  
-20 -15 -10  
Leu Leu Pro Leu Phe Ser Gly Pro His Leu Gln Ala Val Gln His Leu  
-5 1 5 10  
Ala Leu Ala Tyr Leu Pro Leu Asn Ser Val Val Leu Ala His Asn Ser  
15 20 25  
Pro Ala Ile Leu Asn Val Trp Leu Thr Leu Arg Cys Pro Leu Pro Tyr  
30 35 40  
Arg Ile Cys Leu Trp Pro Phe Glu His Ala Phe Pro Ser Ile Arg Asn  
45 50 55  
Thr His Ser Cys Leu Ser Ser Ser Cys Cys Cys Pro Ala Ser Ala Pro  
60 65 70  
Leu Leu Val Asp Tyr Leu Phe Phe Tyr Xaa Xaa Gly Xaa Phe Lys Ser  
75 80 85 90  
Xaa Ala Ser Leu Arg Xaa Asn Asn  
95

<210> 7873  
<211> 357  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SIGNAL  
<222> -14..-1  
<223> score 4.2  
seq VIFAPLFAIFAFA/TC

<400> 7873  
Met Val Ile Phe Ala Pro Leu Phe Ala Ile Phe Ala Phe Ala Thr Cys  
-10 -5 1  
Gly Gly Tyr Ser Gly Gly Leu Arg Leu Ser Val Asp Cys Val Asn Lys  
5 10 15  
Thr Glu Ser Asn Leu Ser Ile Asp Ile Ala Phe Ala Tyr Pro Phe Arg  
20 25 30  
Leu His Gln Val Thr Phe Glu Val Pro Thr Cys Glu Gly Lys Glu Arg  
35 40 45 50  
Gln Lys Leu Ala Leu Ile Gly Asp Ser Ser Ser Ser Ala Glu Phe Phe  
55 60 65  
Val Thr Val Ala Val Phe Ala Phe Leu Tyr Ser Leu Ala Ala Thr Val

70 75 80  
 Val Tyr Ile Phe Phe Gln Asn Lys Tyr Arg Glu Asn Thr Gly Ala His  
 85 90 95  
 Ser Leu Thr Ser Leu Ser Leu  
 100 105

<210> 7874  
 <211> 363  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -16...-1  
 <223> score 4.1  
 seq VFFLTEAGSVAQA/GV

<400> 7874  
 Met Phe Trp Val Phe Phe Leu Thr Glu Ala Gly Ser Val Ala Gln Ala  
 -15 -10 -5  
 Gly Val Xaa Trp Cys Asp Leu Gly Ser Leu Gln Pro Pro Pro Pro Arg  
 1 5 10 15  
 Ile Lys Gln Phe Pro Cys Leu Ser Leu Pro Ser Ser Trp Asp Tyr Arg  
 20 25 30  
 Cys Thr Pro Pro Arg Pro Ala Asn Phe Cys Ile Phe Leu Val Glu Thr  
 35 40 45  
 Gly Phe Leu Arg Val Gly Arg Ala Asp Leu Glu Leu Gln Thr Ser Ser  
 50 55 60  
 Asp Ala Pro Thr Trp Ala Ser Gln Ser Thr Gly Ile Ala Gly Val Asn  
 65 70 75 80  
 His Xaa Ala Arg Pro Phe Ala Asn Val Leu Leu Leu Ser Arg Asp Pro  
 85 90 95  
 Xaa Leu Tyr Xaa Phe Ile Leu Phe Pro  
 100 105

<210> 7875  
 <211> 366  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -21...-1  
 <223> score 5.8  
 seq ACVRVCLVWTSFC/QP

<400> 7875  
 Met Cys Val Cys Val Cys Val Arg Ala Cys Val Arg Val Cys Leu Val  
 -20 -15 -10  
 Trp Thr Ser Phe Cys Gln Pro Leu Ala Phe Thr Phe Phe Leu Ala Tyr  
 -5 1 5 10  
 Ala Gly Gln Thr Lys Cys Glu Ile Leu Pro Ser Ala Glu Leu Ser Lys

054395

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<220>
<221> SIGNAL
<222> -19..-1
<223> score 5.8
      seq HLMSLVLTSTSASA/SA
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<210> 7877
<211> 345
<212> PRT
<213> Homo sapiens
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3991

&lt;400&gt; 7877

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Met Leu Pro Leu Leu Ile Ile Cys Leu Leu Pro Ala Ile Glu Gly Lys
-15          -10          -5          1
Asn Cys Leu Arg Cys Trp Pro Glu Leu Ser Ala Leu Ile Asp Tyr Asp
          5          10          15
Leu Gln Ile Leu Trp Val Thr Pro Gly Pro Pro Thr Glu Leu Ser Gln
          20          25          30
Ser Ile His Ser Leu Phe Leu Glu Asp Asn Asn Phe Leu Lys Pro Trp
          35          40          45
Tyr Leu Asp Arg Asp His Leu Glu Glu Glu Thr Ala Lys Phe Phe Thr
50          55          60          65
Gln Val His Gln Ala Ile Lys Thr Leu Arg Asp Asp Lys Thr Val Leu
          70          75          80
Leu Glu Glu Ile Tyr Thr His Lys Asn Leu Phe Thr Glu Arg Leu Asn
          85          90          95
Lys Ile Ile
          100

```

&lt;210&gt; 7878

&lt;211&gt; 324

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SIGNAL

&lt;222&gt; -17...-1

&lt;223&gt; score 5.7

seq VVCCSCSWFFLFC/FV

&lt;400&gt; 7878

```

Met Ile Ser Asp Val Val Cys Cys Ser Cys Ser Trp Phe Phe Leu Phe
-15          -10          -5
Cys Phe Val Phe Glu Met Glu Ser His Ser Val Thr Gln Ala Gly Val
1          5          10          15
Gln Trp Arg Asp Leu Gly Ser Leu Gln Ala Leu Pro Pro Gly Phe Ser
          20          25          30
Pro Phe Cys Leu Ser Leu Pro Ser Ser Trp Asp Tyr Arg Cys Leu Pro
          35          40          45
Pro Ser Ser Ala Asn Phe Phe Phe Xaa Ile Phe Xaa Ser Xaa Xaa Val
          50          55          60
Xaa Pro Xaa Xaa Pro Gly Trp Xaa Gln Ser Pro Asp Leu Met Ile Arg
          65          70          75
Pro Pro Arg Pro Pro Lys Val Leu Gly Ile Gln Ala
80          85          90

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&lt;210&gt; 7879

&lt;211&gt; 321

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SIGNAL

&lt;222&gt; -21...-1



<223> score 4.9  
seq GVVAHACCPGTLG/CR

<400> 7879

Met	Lys	Leu	Asp	Thr	Ser	Arg	Pro	Gly	Val	Val	Ala	His	Ala	Cys	Cys
-20						-15					-10				
Pro	Gly	Thr	Leu	Gly	Cys	Arg	Gly	Gly	Trp	Ile	Thr	Arg	Ser	Gly	Asp
-5				1				5						10	
Arg	Asp	Gln	Pro	Gly	Gln	Arg	Gly	Glu	Ala	Pro	Ser	Leu	Leu	Lys	Met
		15					20					25			
Leu	Lys	Lys	Leu	Ala	Gly	Arg	Gly	Gly	Pro	Arg	Leu	Trp	Ser	Gln	Leu
	30				35						40				
Leu	Gly	Arg	Leu	Arg	Gln	Lys	Asn	Arg	Leu	Asn	Leu	Gly	Xaa	Gly	Gly
45					50					55					
Cys	Gly	Glu	Leu	Arg	Ser	Arg	His	Cys	Thr	Pro	Ala	Trp	Xaa	Gln	Ser
60				65					70						75
Glu	Thr	Leu	Ser	Gln	Asn	Gln	Lys	Lys	Glu	Thr					
				80					85						

<210> 7880

<211> 405

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -20...-1

<223> score 4.5

seq GTLVFTVITAVLG/SF

<400> 7880

Met	Thr	Glu	Asp	Lys	Val	Thr	Gly	Thr	Leu	Val	Phe	Thr	Val	Ile	Thr
-20					-15				-10					-5	
Ala	Val	Leu	Gly	Ser	Phe	Gln	Phe	Gly	Tyr	Asp	Ile	Gly	Val	Ile	Asn
			1				5						10		
Ala	Pro	Gln	Gln	Val	Ile	Ile	Ser	His	Tyr	Arg	His	Val	Leu	Gly	Val
	15					20					25				
Pro	Leu	Asp	Asp	Arg	Lys	Ala	Ile	Asn	Asn	Tyr	Val	Ile	Asn	Ser	Thr
30					35					40					
Asp	Glu	Leu	Pro	Thr	Ile	Ser	Tyr	Ser	Met	Asn	Pro	Lys	Pro	Thr	Pro
45					50				55						60
Trp	Ala	Glu	Glu	Glu	Thr	Val	Ala	Ala	Ala	Gln	Leu	Ile	Thr	Met	Leu
			65				70							75	
Trp	Ser	Leu	Ser	Val	Ser	Ser	Phe	Ala	Val	Gly	Gly	Met	Thr	Ala	Ser
		80					85					90			
Phe	Phe	Gly	Gly	Trp	Leu	Gly	Asp	Thr	Leu	Gly	Arg	Ala	Asn	Phe	Arg
	95					100						105			
Pro	Gly	Ser	Tyr	Val	Tyr	Arg									
110						115									

<210> 7881

<211> 309

<212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -24...-1  
 <223> score 4.5  
 seq CVLKCVCLPLILS/PP

<400> 7881  
 Met His Phe Tyr Ser Ser Asn Ser Asp Ile Glu Cys Val Leu Lys Cys  
                           -20                          -15                          -10  
 Val Cys Leu Pro Leu Ile Leu Ser Pro Pro Thr Ile Arg Asn Thr Phe  
                           -5                          1                          5  
 Leu Gln Leu Leu Leu Ala Arg Leu Pro Arg Lys Ile Val Glu Leu Glu  
           10                          15                          20  
 Ser Gln His Arg Ala Arg Trp Leu Thr Pro Val Ile Leu Ala Leu Trp  
 25                          30                          35                          40  
 Glu Ala Lys Ala Gly Gly Ser Pro Glu Val Arg Ser Ser Arg Pro Ala  
                           45                          50                          55  
 Gly Pro Thr Trp Arg Asn Pro Asp Ser Thr Lys Asn Thr Lys Ile Ser  
                           60                          65                          70  
 Gln Ala Trp Trp Trp Ala Leu  
           75

<210> 7882  
 <211> 315  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -34...-1  
 <223> score 8.2  
 seq TLFLTLSSSTLS/FL

<400> 7882  
 Met Ala Ala Gln Glu Thr His Ala Ala His Leu Tyr Phe Leu Pro Asn  
                           -30                          -25                          -20  
 Leu Arg Asn Phe Gln Thr Leu Phe Leu Leu Thr Leu Ser Ser Ser Thr  
                           -15                          -10                          -5  
 Leu Ser Phe Leu Phe Phe Phe Asn Phe Ser Asp Leu Asn Leu Ser Ser  
           1                          5                          10  
 Phe Tyr Phe Leu Phe Leu Phe Leu Leu Arg Trp Ser His Ala Leu Val  
 15                          20                          25                          30  
 Ala Gln Ala Gly Val Gln Trp Cys Asp Leu Gly Ser Leu Gln Pro Leu  
                           35                          40                          45  
 Ser Pro Gly Phe Arg Leu Ser Ser Cys Pro Thr Pro Glu Trp Leu Gly  
                           50                          55                          60  
 Leu Gln Ala Cys Thr Ser Ser Xaa Ser  
           65                          70

<210> 7883  
 <211> 330  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -28...-1  
 <223> score 4.5  
 seq LMSPALAAHVTRS/SQ

<400> 7883  
 Met Asn Arg Lys Arg Lys Ser Gln Thr Gln Glu Arg Thr Arg Gly Leu  
                   -25                  -20                  -15  
 Met Ser Pro Ala Leu Ala Ala His Val Thr Arg Ser Ser Gln Gly Pro  
                   -10                  -5                  1  
 Pro Leu Ala Val Val Ala Pro Ser Pro Lys Thr Lys Gly Gln Lys Ala  
 5                  10                  15                  20  
 Glu Asp Val Pro Val Arg Val Ala Leu Gly Ala Ser Ser Cys Glu Ile  
                   25                  30                  35  
 Cys His Glu Val Phe Lys Ser Lys Asn Val Arg Val Leu Lys Cys Gly  
                   40                  45                  50  
 His Lys Tyr His Lys Gly Cys Phe Lys Gln Trp Leu Lys Gly Gln Ser  
                   55                  60                  65  
 Ala Cys Pro Ala Cys Gln Thr Cys Asp Leu Leu Ser Glu Glu  
 70                  75                  80

<210> 7884  
 <211> 303  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -46...-1  
 <223> score 3.6  
 seq MWLLLLFRLWDGLA/ME

<400> 7884  
 Met Thr Gly Met Asn Pro Phe Asn Met Leu Leu Gln Ala Ala Val Gln  
                   -45                  -40                  -35  
 Gln Val Gly Ser Tyr Thr Arg His Leu Glu Arg Ser His Ser Ser Val  
 -30                  -25                  -20                  -15  
 Trp Met Trp Leu Leu Leu Phe Arg Leu Trp Asp Gly Leu Ala Met Glu  
                   -10                  -5                  1  
 Pro Ser Gly Phe Ser Ala His Asp Val Cys Ser Cys Ser Leu Ser Ser  
                   5                  10                  15  
 Leu Glu Val Thr Leu Val Glu Gly Gly Glu Leu Gly Asn Met Glu Val  
 20                  25                  30  
 Thr Lys Thr Met Arg Asn Arg Val Ser Leu Lys Gly Ala Gly Phe Pro  
 35                  40                  45                  50  
 Leu Cys Pro Ala Val

<210> 7885  
 <211> 318  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -29...-1  
 <223> score 3.9  
 seq LVHSTVSVSLLEA/DS

<400> 7885  
 Met Lys Lys Lys Leu Tyr Arg Arg Arg Phe Leu Pro Pro Tyr Val Glu  
                   -25                  -20                  -15  
 Leu Val His Ser Thr Val Ser Val Ser Leu Leu Glu Ala Asp Ser Gly  
                   -10                  -5                  1  
 Ser Leu Ala Pro Val Pro Gly Ser Val Pro Lys Val Gly Pro Cys Trp  
       5                  10                  15  
 Ser Cys Trp Cys Leu His Arg Trp Pro Phe Gly Leu Leu Ser Gly Ser  
 20                  25                  30                  35  
 Gly Phe Ser Leu Leu Thr Phe Phe Gln Lys Glu Gly Lys Lys Leu Pro  
                   40                  45                  50  
 Phe Ser Lys Lys Arg Ala Ile His Pro Lys Asn Thr Ser Asp Leu Thr  
                   55                  60                  65  
 Gly Leu Leu Leu Leu Thr Trp Leu Lys His  
       70                  75

<210> 7886  
 <211> 315  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -40...-1  
 <223> score 5  
 seq LTLFISAXFXSET/WQ

<400> 7886  
 Met Pro Ala Cys Ile Leu Glu Asp Val Glu Ile Ser Phe Arg Gln Lys  
 -40                  -35                  -30                  -25  
 Trp Ser Ile Asn Ser Asp Thr Leu Leu Gly Cys Leu Thr Leu Phe Ile  
                   -20                  -15                  -10  
 Ser Ala Xaa Phe Xaa Ser Glu Thr Trp Gln Lys Leu Val Ser Gln Ser  
       -5                  1                  5  
 Thr Ala Phe Leu Thr Met Cys Gly Val Thr Tyr Ala Trp Tyr Met Pro  
       10                  15                  20  
 Leu Leu Leu Leu Lys Phe Tyr Ser Leu Leu Leu Ala Gln Xaa Leu Leu  
 25                  30                  35                  40  
 Asn Pro Phe Leu Met Cys Thr Gly Xaa Arg Lys Asn Tyr Ser Gln His

45 50 55  
 Phe Glu Arg Lys Phe Ser Glu Gln Tyr  
 60 65

<210> 7887  
 <211> 327  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -41...-1  
 <223> score 6.1  
 seq VLLALSLRMECSG/MI

<400> 7887  
 Met Glu Gln Ile Leu Leu His Asn Leu Arg Gly Lys Thr Leu Leu Ile  
 -40 -35 -30  
 Pro Gly Phe Gln Thr Pro Gly Leu Gln Asn Asp Lys Val Leu Leu Ala  
 -25 -20 -15 -10  
 Leu Ser Leu Arg Met Glu Cys Ser Gly Met Ile Leu Ala His Tyr Asn  
 -5 1 5  
 Leu Cys Leu Pro Gly Ser Ser Asp Ser Pro Ala Leu Arg Ser Gln Val  
 10 15 20  
 Thr Gly Thr Thr Gly Thr His His His Thr Gln Leu Ile Phe Val Phe  
 25 30 35  
 Phe Val Glu Thr Gly Phe Tyr His Val Ser Arg Ala Gly Leu Glu Leu  
 40 45 50 55  
 Leu Thr Ser Gly Asp Pro Xaa Ala Ser Ile Ala His Tyr  
 60 65

<210> 7888  
 <211> 309  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SIGNAL  
 <222> -43...-1  
 <223> score 9.1  
 seq CLFVCLFFXWSLA/LS

<400> 7888  
 Met Xaa Pro Ser Asp Asn Cys Cys Tyr Leu Tyr Phe Phe Ser Leu Pro  
 -40 -35 -30  
 Phe Ser Cys Pro Gln Leu Tyr Ile Val Phe Phe Val Val Phe Cys Leu  
 -25 -20 -15  
 Phe Val Cys Leu Phe Phe Xaa Trp Ser Leu Ala Leu Ser Pro Arg Leu  
 -10 -5 1 5  
 Glu Cys Ser Gly Ala Ile Ser Ala His Cys Asn Leu His Leu Pro Gly  
 10 15 20  
 Ser Ser Asp Ser Pro Thr Ser Ala Ser Arg Val Ala Gly Ile Ile Asp

	25		30		35
Met	Ala	Ser	Pro	Cys	Leu
	40		45		50
Val	Leu	Pro	Cys	Trp	Arg
	55		60		

<210> 7889  
 <211> 384  
 <212> PRT  
 <213> Homo sapiens

<400> 7889															
Met	Ala	Pro	Val	Lys	Lys	Leu	Val	Val	Lys	Gly	Gly	Lys	Lys	Lys	Lys
1				5					10					15	
Gln	Val	Leu	Lys	Phe	Thr	Leu	Asp	Cys	Thr	His	Pro	Val	Glu	Asp	Gly
			20					25					30		
Ile	Met	Asp	Ala	Ala	Asn	Phe	Glu	Gln	Phe	Leu	Gln	Glu	Arg	Ile	Lys
		35					40					45			
Val	Asn	Gly	Lys	Ala	Gly	Asn	Leu	Gly	Gly	Gly	Val	Val	Thr	Ile	Glu
	50					55					60				
Arg	Ser	Lys	Ser	Lys	Ile	Thr	Val	Thr	Ser	Glu	Val	Pro	Phe	Ser	Lys
65					70				75					80	
Arg	Tyr	Leu	Lys	Tyr	Leu	Thr	Lys	Lys	Tyr	Leu	Lys	Lys	Asn	Asn	Leu
				85				90					95		
Arg	Asp	Trp	Leu	Arg	Val	Val	Ala	Asn	Ser	Lys	Glu	Ser	Tyr	Glu	Leu
			100				105						110		
Arg	Tyr	Phe	Gln	Ile	Asn	Gln	Asp	Glu	Glu	Glu	Glu	Glu	Asp	Glu	Asp
		115					120					125			

<210> 7890  
 <211> 321  
 <212> PRT  
 <213> Homo sapiens

<400> 7890															
Met	Asn	Gln	Glu	Lys	Leu	Ala	Lys	Leu	Gln	Ala	Gln	Val	Arg	Ile	Gly
1				5					10					15	
Gly	Lys	Gly	Thr	Ala	Arg	Arg	Lys	Lys	Lys	Val	Val	His	Arg	Thr	Ala
			20				25					30			
Thr	Ala	Asp	Asp	Lys	Lys	Leu	Gln	Ser	Ser	Leu	Lys	Lys	Leu	Ala	Val
		35					40					45			
Asn	Asn	Ile	Ala	Gly	Ile	Glu	Glu	Val	Asn	Met	Ile	Lys	Asp	Asp	Gly
	50				55						60				
Thr	Val	Ile	His	Phe	Asn	Asn	Pro	Lys	Val	Gln	Ala	Ser	Leu	Ser	Ala
65					70				75					80	
Asn	Thr	Phe	Ala	Ile	Thr	Gly	His	Ala	Glu	Ala	Lys	Pro	Ile	Thr	Glu
				85				90					95		
Met	Leu	Pro	Gly	Asn	Ile	Lys	Ser	Ala	Trp	Cys					
			100					105							

<210> 7891  
 <211> 495  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 7891

Met Pro Pro Lys Phe Asp Pro Asn Glu Ile Lys Val Val Tyr Leu Arg  
 1 5 10 15  
 Cys Thr Gly Gly Glu Val Gly Ala Thr Ser Ala Leu Ala Pro Lys Ile  
 20 25 30  
 Gly Pro Leu Gly Leu Ser Pro Lys Lys Val Gly Asp Asp Ile Ala Lys  
 35 40 45  
 Ala Thr Gly Asp Trp Lys Gly Leu Arg Ile Thr Val Lys Leu Thr Ile  
 50 55 60  
 Gln Asn Arg Gln Ala Gln Ile Glu Val Val Pro Ser Ala Ser Ala Leu  
 65 70 75 80  
 Ile Ile Lys Ala Leu Lys Glu Pro Pro Arg Asp Arg Lys Lys Gln Lys  
 85 90 95  
 Asn Ile Lys His Ser Gly Asn Ile Thr Phe Asp Glu Ile Val Asn Ile  
 100 105 110  
 Ala Arg Gln Met Arg His Arg Ser Leu Ala Arg Glu Leu Ser Gly Thr  
 115 120 125  
 Ile Lys Glu Ile Leu Gly Thr Ala Gln Ser Val Gly Cys Asn Val Asp  
 130 135 140  
 Gly Arg His Pro His Asp Ile Ile Asp Asp Ile Asn Ser Gly Ala Val  
 145 150 155 160  
 Glu Cys Pro Ala Ser  
 165

&lt;210&gt; 7892

&lt;211&gt; 309

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7892

Met Ala Gln Phe Val Arg Asn Leu Val Glu Lys Thr Pro Ala Leu Val  
 1 5 10 15  
 Asn Ala Ala Val Thr Tyr Ser Lys Pro Arg Leu Ala Thr Phe Trp Tyr  
 20 25 30  
 Tyr Ala Lys Val Glu Leu Val Pro Thr Pro Ala Glu Ile Pro Arg  
 35 40 45  
 Ala Ile Gln Ser Leu Lys Lys Ile Val Asn Ser Ala Gln Thr Gly Ser  
 50 55 60  
 Phe Lys Gln Leu Thr Val Lys Glu Ala Val Leu Asn Gly Leu Val Ala  
 65 70 75 80  
 Thr Glu Val Leu Met Trp Phe Tyr Val Gly Glu Ile Ile Gly Lys Arg  
 85 90 95  
 Gly Ile Ile Gly Tyr Asp Val  
 100

&lt;210&gt; 7893

&lt;211&gt; 351

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7893

Met Val Gln Arg Leu Thr Tyr Arg Arg Arg Leu Ser Tyr Asn Thr Ala  
 1 5 10 15

Ser Asn Lys Thr Arg Leu Ser Arg Thr Pro Gly Asn Arg Ile Val Tyr  
20 25 30  
Leu Tyr Thr Lys Lys Val Gly Lys Ala Pro Lys Ser Ala Cys Gly Val  
35 40 45  
Cys Pro Gly Arg Leu Arg Gly Val Arg Ala Val Arg Pro Lys Val Leu  
50 55 60  
Met Arg Leu Ser Lys Thr Lys Lys His Val Ser Arg Ala Tyr Gly Gly  
65 70 75 80  
Ser Met Cys Ala Lys Cys Val Arg Asp Arg Ile Lys Arg Ala Phe Leu  
85 90 95  
Ile Glu Glu Gln Lys Ile Val Val Lys Val Leu Lys Ala Gln Ala Gln  
100 105 110  
Ser Gln Lys Ala Lys  
115

<210> 7894  
<211> 351  
<212> PRT  
<213> Homo sapiens

<400> 7894  
Met Val Gln Arg Leu Thr Tyr Arg Arg Arg Leu Ser Tyr Asn Thr Ala  
1 5 10 15  
Ser Asn Lys Thr Arg Leu Ser Arg Thr Pro Gly Asn Arg Ile Val Tyr  
20 25 30  
Leu Tyr Thr Lys Lys Val Gly Lys Ala Pro Lys Ser Ala Cys Gly Val  
35 40 45  
Cys Pro Gly Arg Leu Arg Gly Val Arg Ala Val Arg Pro Lys Val Leu  
50 55 60  
Met Arg Leu Ser Lys Thr Lys Lys His Val Ser Arg Ala Tyr Gly Gly  
65 70 75 80  
Ser Met Cys Ala Lys Cys Val Arg Asp Arg Ile Lys Arg Ala Phe Leu  
85 90 95  
Ile Glu Glu Gln Lys Ile Val Val Lys Val Leu Lys Ala Gln Ala Gln  
100 105 110  
Ser Gln Lys Ala Lys  
115

<210> 7895  
<211> 423  
<212> PRT  
<213> Homo sapiens

<400> 7895  
Met Asn Ala Arg Gly Leu Gly Ser Glu Leu Lys Asp Ser Ile Pro Val  
1 5 10 15  
Thr Glu Leu Ser Ala Ser Gly Pro Phe Glu Ser His Asp Leu Leu Arg  
20 25 30  
Lys Gly Phe Ser Cys Val Lys Asn Glu Leu Leu Pro Ser His Pro Leu  
35 40 45  
Glu Leu Ser Glu Lys Asn Phe Gln Leu Asn Gln Asp Lys Met Asn Phe  
50 55 60  
Ser Thr Leu Arg Asn Ile Gln Gly Leu Phe Ala Pro Leu Lys Leu Gln  
65 70 75 80